



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 104828

TO: Misook Yu
Location: cm1/8e18/8e12
Art Unit: 1642
Tuesday, September 30, 2003

Case Serial Number: 09/402713

From: Barb O'Bryen
Location: Biotech-Chem Library
CM1-6A05
Phone: 308-4291 *BOB*

barbara.obryen@uspto.gov

Search Notes

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: September 29, 2003, 14:40:39 : Search time 40.5 Seconds
(without alignments)
555.816 Million cell updates/sec

Title: US-09-402-713A-7

Perfect score: 51
Sequence: 1 MFLHSSPFKYPHTQEAQKE.....HLGSSMSLALCVPLVREGH 51

Scoring table:

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Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 569978 seqs, 220691566 residues

Word size: 1

Total number of hits satisfying chosen parameters: 1135271

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Command line parameters:

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=collgo -TRANS=humano.cd1
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-Fgapext=7 -Ygapop=60 -Ygapext=60 -DELOP=6 -DELEXT=7

Database :

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5: /cgn2_6/ptodata/1/lna/6B.COMB.seq.*
6: /cgn2_6/ptodata/1/lna/PCrus.COMB.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	Query Match	Length	DB ID	Description
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c 2	51	100.0	812	4	US-09-352-616A-471	Sequence 471, App
c 3	51	100.0	2229	4	US-09-439-313-469	Sequence 469, App
c 4	51	100.0	2229	4	US-09-352-616A-469	Sequence 469, App
c 5	51	100.0	2426	4	US-09-439-313-470	Sequence 470, App
c 6	51	100.0	2426	4	US-09-352-616A-470	Sequence 470, App
c 7	51	100.0	3112	4	US-09-439-313-468	Sequence 468, App
c 8	51	100.0	3112	4	US-09-352-616A-468	Sequence 468, App
c 9	43	84.3	718	4	US-09-439-313-313	Sequence 313, App
c 10	43	84.3	718	4	US-09-352-616A-313	Sequence 313, App
c 11	43	84.3	718	4	US-09-232-149A-313	Sequence 313, App
c 12	8	15.7	30001	1	US-08-125-468-1	Sequence 1, Appl1

c 13	8	15.7	30001	2	US-08-474-933-1	Sequence 1, Appl1
c 14	7	13.7	490	4	US-09-495-050A-219	Sequence 219, App
c 15	7	13.7	547	4	US-09-702-705-65	Sequence 65, Appl
c 16	7	13.7	547	4	US-09-736-457-65	Sequence 65, Appl
c 17	7	13.7	588	3	US-09-129-030-27	Sequence 27, Appl
c 18	7	13.7	745	4	US-09-581-001B-20	Sequence 20, Appl
c 19	7	13.7	1335	4	US-09-107-532A-298	Sequence 298, App
c 20	7	13.7	1376	2	US-08-866-288A-2	Sequence 2, Appl1
c 21	7	13.7	1376	3	US-09-235-373-2	Sequence 2, Appl1
c 22	7	13.7	1376	3	US-09-388-993-2	Sequence 2, Appl1
c 23	7	13.7	1467	4	US-09-252-991A-1331	Sequence 1331, Ap
c 24	7	13.7	1578	3	US-09-044-404A-1	Sequence 1, Appl1
c 25	7	13.7	1578	4	US-09-586-924-1	Sequence 1, Appl1
c 26	7	13.7	1621	4	US-09-996-243-147	Sequence 147, App
c 27	7	13.7	2163	4	US-09-328-352-639	Sequence 639, App
c 28	7	13.7	2268	4	US-09-620-312D-909	Sequence 909, App
c 29	7	13.7	2329	4	US-09-411-977-1	Sequence 1, Appl1
c 30	7	13.7	2437	1	US-07-795-859B-5	Sequence 5, Appl1
c 31	7	13.7	2437	1	US-08-457-616-5	Sequence 5, Appl1
c 32	7	13.7	2437	4	US-09-235-538-1	Sequence 1, Appl1
c 33	7	13.7	2538	4	US-09-252-991A-1285	Sequence 1285, Ap
c 34	7	13.7	2571	4	US-09-252-991A-1279	Sequence 1279, Ap
c 35	7	13.7	2600	1	US-08-147-949A-1	Sequence 1, Appl1
c 36	7	13.7	2798	4	US-09-484-970B-90	Sequence 90, Appl1
c 37	7	13.7	3023	4	US-09-203-453-4	Sequence 4, Appl1
c 38	7	13.7	3023	3	US-09-900-236-4	Sequence 4, Appl1
c 39	7	13.7	3066	4	US-09-086-912-1	Sequence 1, Appl1
c 40	7	13.7	3066	4	US-09-203-453-1	Sequence 1, Appl1
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c 43	7	13.7	13188	4	US-08-961-527-70	Sequence 70, Appl
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c 46	7	13.7	37948	3	US-09-964-469-3	Sequence 3, Appl1
c 47	7	13.7	37948	3	US-09-251-645-11	Sequence 11, Appl1
c 48	7	13.7	51719	4	US-09-918-666-2	Sequence 2, Appl1
c 49	7	13.7	92139	4	US-09-918-666-1	Sequence 1, Appl1
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c 51	7	13.7	176373	3	US-09-128-155-17	Sequence 17, Appl
c 52	7	13.7	176373	4	US-09-877-117A-10	Sequence 10, Appl
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c 57	6	11.8	41	3	US-08-564-109C-107	Sequence 10, Appl
c 58	6	11.8	47	2	US-08-746-257A-24	Sequence 24, Appl
c 59	6	11.8	47	3	US-09-316-080-7	Sequence 7, Appl1
c 60	6	11.8	47	4	US-09-534-407-8	Sequence 8, Appl1
c 61	6	11.8	47	4	US-09-434-690-4	Sequence 4, Appl1
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c 63	6	11.8	47	4	US-09-437-667A-4	Sequence 4, Appl1
c 64	6	11.8	47	4	US-09-007-288E-99	Sequence 99, Appl1
c 65	6	11.8	47	4	US-09-999-201B-8	Sequence 8, Appl1
c 66	6	11.8	48	2	US-08-746-283-26	Sequence 26, Appl1
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c 68	6	11.8	50	1	US-08-123-936-545	Sequence 545, App
c 69	6	11.8	50	2	US-08-475-228A-545	Sequence 545, App
c 70	6	11.8	50	3	US-08-482-080A-545	Sequence 545, App
c 71	6	11.8	50	4	US-09-354-947-545	Sequence 545, App
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c 73	6	11.8	52	3	US-09-130-663-15	Sequence 15, Appl
c 74	6	11.8	52	3	US-09-437-335-15	Sequence 15, Appl
c 75	6	11.8	52	3	US-09-614-022-19	Sequence 19, Appl
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c 77	6	11.8	70	1	US-08-434-001-181	Sequence 181, App
c 78	6	11.8	70	1	US-08-433-585-181	Sequence 181, App
c 79	6	11.8	70	1	US-08-434-425-181	Sequence 181, App
c 80	6	11.8	70	2	US-08-437-667-181	Sequence 181, App
c 81	6	11.8	70	3	US-08-906-955-181	Sequence 181, App
c 82	6	11.8	70	3	US-08-945-909-181	Sequence 181, App
c 83	6	11.8	70	4	US-09-396-020A-181	Sequence 181, App
c 84	6	11.8	70	5	PCT-US96-06060-181	Sequence 181, App
c 85	6	11.8	86	3	US-08-687-421-376	Sequence 376, App

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C 86 6 11.8 104 3 US-08-943-731-93 Sequence 93, Appl
C 87 6 11.8 117 4 US-09-313-294A-3997 Sequence 3997, Ap
88 6 11.8 147 3 US-09-130-663-16 Sequence 16, Appl
89 6 11.8 147 3 US-09-130-663-24 Sequence 24, Appl
90 6 11.8 147 3 US-09-432-335-16 Sequence 16, Appl
91 6 11.8 147 3 US-09-432-335-24 Sequence 24, Appl
92 6 11.8 147 4 US-09-614-022-16 Sequence 16, Appl
93 6 11.8 147 4 US-09-614-022-24 Sequence 24, Appl
94 6 11.8 155 1 US-08-650-275-7 Sequence 7, Appl
95 6 11.8 155 3 US-09-181-318-7 Sequence 13, Appl
96 6 11.8 158 3 US-08-943-731-13 Sequence 13, Appl
C 97 6 11.8 189 4 US-09-702-705-1608 Sequence 1608, Ap
C 98 6 11.8 189 4 US-09-736-457-1608 Sequence 1608, Ap
99 6 11.8 198 4 US-09-252-991A-4681 Sequence 4681, Ap
100 6 11.8 218 1 US-08-650-275-23 Sequence 23, Appl
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ALIGNMENTS

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RESULT 1
US-09-439-313-471/C
; Sequence 471, Application US/09439313
; Patent No. 6329505
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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471
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Alignment Scores:
Pred. No.: 1.59e-44 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
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QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
DB 604 ATGTTTTCACATTTCCAGCCCCCTTAATATCCACACACAGGAGACACAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCGATCTTGGTGCATCGATGAGCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
DB 484 CTGTGCTGTGCTCCCGCTGTGAGGAGAGACAT 452
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RESULT 2
US-09-352-616a-471/C
; Sequence 471, Application US/09352616A
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; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616a-471
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Alignment Scores:
Pred. No.: 1.59e-44 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
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QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
DB 604 ATGTTTTCACATTTCCAGCCCCCTTAATATCCACACACAGGAGACACAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCGATCTTGGTGCATCGATGAGCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
DB 484 CTGTGCTGTGCTCCCGCTGTGAGGAGAGACAT 452
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RESULT 3
US-09-439-313-469/C
; Sequence 469, Application US/09439313
; Patent No. 6329505
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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469
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Alignment Scores:
Pred. No.: 4.16e-44 Length: 2229
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Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-439-313-469 (1-2229)

OY 1 MethpheleuH1S1eSerProPhelysTyrrProH1stHngIngluAlaGlnlySglu 20

DB 1659 ATGTTTGGACATTTCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 1600

OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgH1sLeuGlySerSerMetSerLeuAla 40

DB 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTATCATGATGACCTCGCC 1540

OY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

DB 1539 CTGTGCTGTGCTCCGCTGTGAGGGAAGACAT 1507

RESULT 4

US-09-352-616A-469/C

; Sequence 469, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: JIANG, YUQI

; APPLICANT: Xu, JIANGCHUN

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/352,616A

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 469

; LENGTH: 2229

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-469

Alignment Scores:

Pred. No.: 4.16e-44 Length: 2229

Score: 51.00 Matches: 51

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-352-616A-469 (1-2229)

OY 1 MethpheleuH1S1eSerProPhelysTyrrProH1stHngIngluAlaGlnlySglu 20

DB 1659 ATGTTTGGACATTTCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 1600

OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgH1sLeuGlySerSerMetSerLeuAla 40

DB 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTATCATGATGACCTCGCC 1540

OY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

DB 1539 CTGTGCTGTGCTCCGCTGTGAGGGAAGACAT 1507

RESULT 5

US-09-439-313-470/C

; Sequence 470, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, JIANGCHUN

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: JIANG, YUQI

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439,313

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470

; LENGTH: 2426

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-439-313-470

Alignment Scores:

Pred. No.: 4.5e-44 Length: 2426

Score: 51.00 Matches: 51

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-439-313-470 (1-2426)

OY 1 MethpheleuH1S1eSerProPhelysTyrrProH1stHngIngluAlaGlnlySglu 20

DB 1653 ATGTTTGGACATTTCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 1594

OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgH1sLeuGlySerSerMetSerLeuAla 40

DB 1593 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTATCATGATGACCTCGCC 1534

OY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

DB 1533 CTGTGCTGTGCTCCGCTGTGAGGGAAGACAT 1501

RESULT 6

US-09-352-616A-470/C

; Sequence 470, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: JIANG, YUQI

; APPLICANT: Xu, JIANGCHUN

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/352,616A

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470

; LENGTH: 2426

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-470

Alignment Scores:

Pred. No.: 4.5e-44 Length: 2426

Score: 51.00 Matches: 51

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

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US-09-402-713a-7 (1-51) x US-09-352-616A-470 (1-2426)

QY 1 MetPheLeuHISleSerProPheLysTyrProHISThrGlnGluAlaGlnLysGlu 20

Db 1653 ATGTTTGGACATTTCCAGCCCTTAATATCCACACACAGGAAAGCAAAAGGAA 1594

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHISleuGlySerMetSerLeuAla 40

Db 1593 GCACAGAGATCCCTGGAGAAATGCCCGCCGCATCTTGTCATCATGAGCCTCGCC 1534

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

Db 1533 CTGTGCTGTGCTCCGCTTGAGGAGGAGACAT 1501

RESULT 7

US-09-439-313-468

; Sequence 468, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yuqi

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439, 313

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FASTSEQ for Windows Version 3.0

; SEQ ID NO 468

; LENGTH: 3112

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-439-313-468

Alignment Scores:

Pred. No.: 5,71e-44

Score: 51.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 100.00%

; APPLICANT: Jiang, Yuqi

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer Lynn

; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.427C8

; CURRENT APPLICATION NUMBER: US/09/352, 616A

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FASTSEQ for Windows Version 3.0

; SEQ ID NO 468

; LENGTH: 3112

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-09-352-616A-468

Alignment Scores:

Pred. No.: 5,71e-44

Score: 51.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 100.00%

DB: 4

Gaps: 0

US-09-402-713a-7 (1-51) x US-09-352-616A-468 (1-3112)

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Db 1429 ATGTTTGGACATTTCCAGCCCTTAATATCCACACACAGGAAAGCAAAAGGAA 1488

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHISleuGlySerMetSerLeuAla 40

Db 1489 GCACAGAGATCCCTGGAGAAATGCCCGCCGCATCTTGTCATCATGAGCCTCGCC 1548

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

Db 1549 CTGTGCTGTGCTCCGCTTGAGGAGGAGACAT 1581

RESULT 9

US-09-439-313-313

; Sequence 313, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yuqi

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439, 313

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FASTSEQ for Windows Version 3.0

; SEQ ID NO 313

; LENGTH: 718

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc_feature

; LOCATION: (1)...(718)

; OTHER INFORMATION: n = A,T,C or G

; US-09-439-313-313

Alignment Scores:

Pred. No.: 3.06e-36

Score: 718

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 100.00%

Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-439-313-313 (1-718)

QY 1 MetPheLeuHISLeSerSerProPhelysTyRProHISThrGlnGluAlaGlnLysGlu 20
DB 189 ATGTTTGGACATTTCCAGCCCTTTTAATATCCACACACAGAGAACAAAGGAA 248
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGGAATATGCCGCGCCCATCTGGGTATCATGATAGCTCGCC 308
QY 41 LeuCysLeu 43
DB 309 CTGTGCTCG 317

RESULT 10

US-09-352-616A-313
; Sequence 313, Application US/09352616A
; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jlang, Yugu

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer Lynn

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.427C8

; CURRENT APPLICATION NUMBER: US/09/352,616A

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 313

; LENGTH: 718

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc.feature

; LOCATION: (1)-(718)

; OTHER INFORMATION: n = A,T,C or G

US-09-352-616A-313

Alignment Scores:

Pred. No.: 3,06e-36 Length: 718
Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-352-616A-313 (1-718)

QY 1 MetPheLeuHISLeSerSerProPhelysTyRProHISThrGlnGluAlaGlnLysGlu 20
DB 189 ATGTTTGGACATTTCCAGCCCTTTTAATATCCACACACAGAGAACAAAGGAA 248
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGGAATATGCCGCGCCCATCTGGGTATCATGATAGCTCGCC 308
QY 41 LeuCysLeu 43
DB 309 CTGTGCTCG 317

RESULT 11

US-09-232-149A-313
; Sequence 313, Application US/09232149A
; Patent No. 6465611

; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)-(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-313

Alignment Scores:

Pred. No.: 3,06e-36 Length: 718
Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-232-149A-313 (1-718)

QY 1 MetPheLeuHISLeSerSerProPhelysTyRProHISThrGlnGluAlaGlnLysGlu 20
DB 189 ATGTTTGGACATTTCCAGCCCTTTTAATATCCACACACAGAGAACAAAGGAA 248
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGGAATATGCCGCGCCCATCTGGGTATCATGATAGCTCGCC 308
QY 41 LeuCysLeu 43
DB 309 CTGTGCTCG 317

RESULT 12

US-08-125-468-1/C

; Sequence 1, Application US/08125468

; Patent No. 5589385

; GENERAL INFORMATION:

; APPLICANT: Ryan, Michael J.

; APPLICANT: Lotvin, Jason A.

; APPLICANT: Scrally, Nancy E.

; TITLE OF INVENTION: Cloning of the biosynthetic pathway for

; TITLE OF INVENTION: chlorotetracycline and tetracycline formation and cosmids

; NUMBER OF SEQUENCES: 1

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: American Cyanamid Company

; STREET: One Cyanamid Plaza

; CITY: Wayne

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07470

; COMPUTER READABLE FORM:

; MEDIUM TYPE: floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/125,468

; FILING DATE: 22-SEP-1993

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

NAME: Tsevdos, Estelle J
REGISTRATION NUMBER: 31,145
REFERENCE/DOCKET NUMBER: 31,255-02
TELECOMMUNICATION INFORMATION:
TELEPHONE: (201)831-3241
TELEFAX: (201)831-3305
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 30001 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-125-468-1

Alignment Scores:
Pred. No.: 316 Length: 30001
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 15.69% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-7 (1-51) x US-08-125-468-1 (1-30001)
QY 39 LeuAlaLeuCYsLeuValProLeu 46
Db 19783 CTGGCGCTCTGCGTGGCGCGCTG 19760

RESULT 13
US-08-474-933-1/c
Sequence 1, Application US/08474933
Patent No. 5866410
GENERAL INFORMATION:
APPLICANT: Ryan, Michael J.
APPLICANT: Lotvin, Jason A.
APPLICANT: Stralby, Nancy
APPLICANT: Fantini, Susan E.
TITLE OF INVENTION: Cloning of the biosynthetic pathway for
TITLE OF INVENTION: chlorotetracycline and tetracycline formation and cosmid
TITLE OF INVENTION: useful therein
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
STATE: New Jersey
COUNTRY: USA
ZIP: 07470
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474, 933
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/125,468
FILING DATE: 22-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: Tsevdos, Estelle J
REGISTRATION NUMBER: 31,145
REFERENCE/DOCKET NUMBER: 31,255-02
TELECOMMUNICATION INFORMATION:
TELEPHONE: (201)831-3241
TELEFAX: (201)831-3305
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 30001 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-474-933-1

Alignment Scores:
Pred. No.: 316 Length: 30001
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 15.69% Indels: 0
DB: 2 Gaps: 0

US-09-402-713a-7 (1-51) x US-08-474-933-1 (1-30001)
QY 39 LeuAlaLeuCYsLeuValProLeu 46
Db 19783 CTGGCGCTCTGCGTGGCGCGCTG 19760

RESULT 14
US-09-495-050A-219/c
Sequence 219, Application US/09495050A
Patent No. 6492505
GENERAL INFORMATION:
APPLICANT: Roopa, Reddy
APPLICANT: Guegler, Karl, J.
APPLICANT: Au-Young, Janice
TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE
FILE REFERENCE: PA-0013 US
CURRENT APPLICATION NUMBER: US/09/495,050A
CURRENT FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/118,318
PRIOR FILING DATE: February 1, 1999
NUMBER OF SEQ ID NOS: 305
SOFTWARE: PERL Program
SEQ ID NO 219
LENGTH: 490
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. 6492505 2553280CT1
US-09-495-050A-219

Alignment Scores:
Pred. No.: 69.2 Length: 490
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-495-050A-219 (1-490)
QY 3 LeuHisIleSerProPhe 9
Db 346 TTACATATTCTCTCTCTTT 326

RESULT 15
US-09-702-705-65/c
Sequence 65, Application US/09702705
Patent No. 6504010
GENERAL INFORMATION:
APPLICANT: Wang, Tonglong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedvick, Tom
APPLICANT: Carter, Darick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.478C14
CURRENT APPLICATION NUMBER: US/09/702.705
CURRENT FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 1833
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 65
LENGTH: 547
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(547)
OTHER INFORMATION: n = A,T,C or G
US-09-702-705-65

Alignment Scores:
Pred. No.: 76.9 Length: 547
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB:

US-09-402-713A-7 (1-51) x US-09-702-705-65 (1-547)

OY 5 IlleSerSerProPhelystyr 11
Db 164 ATCTCTCTCTCTTCAATAT 144

RESULT 16
US-09-736-457-65/C
Sequence 65, Application US/09736457
Patent No. 6509448
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodges, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedrick, Tom
APPLICANT: Carter, Darrick
APPLICANT: Retter, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
APPLICANT: Wang, Aijun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.478C15
CURRENT APPLICATION NUMBER: US/09/736.457
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 1864
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 65
LENGTH: 547
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(547)
OTHER INFORMATION: n = A,T,C or G
US-09-736-457-65

Alignment Scores:
Pred. No.: 76.9 Length: 547
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB:

US-09-402-713A-7 (1-51) x US-09-736-457-65 (1-547)

OY 5 IlleSerSerProPhelystyr 11
Db 164 ATCTCTCTCTCTTCAATAT 144

Db 164 ATCTCTCTCTCTTCAATAT 144

RESULT 17
US-09-129-030-27/c
Sequence 27, Application US/09129030A
Patent No. 6242221
GENERAL INFORMATION:
APPLICANT: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
TITLE OF INVENTION: GENOMIC PPO CLONES
FILE REFERENCE: 57072-PCT-US
CURRENT APPLICATION NUMBER: US/09/129.030A
CURRENT FILING DATE: 1998-08-04
EARLIER APPLICATION NUMBER: AU PN7856
EARLIER FILING DATE: 1996-02-05
EARLIER APPLICATION NUMBER: AU P02361
EARLIER FILING DATE: 1996-09-16
EARLIER APPLICATION NUMBER: PCT/AU97/00041
EARLIER FILING DATE: 1997-01-24
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 27
LENGTH: 588
TYPE: DNA
ORGANISM: APPLE
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(588)
US-09-129-030-27

Alignment Scores:
Pred. No.: 82.3 Length: 588
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB:

US-09-402-713A-7 (1-51) x US-09-129-030-27 (1-588)

OY 34 GlySerSerMetSerLeuAla 40
Db 146 GATCGTCTATGAGTTGGCC 126

RESULT 18
US-09-581-001B-20/c
Sequence 20, Application US/09581001B
Patent No. 6472142
GENERAL INFORMATION:
APPLICANT: Danan-Yan Coorschoot, Astrid
TITLE OF INVENTION: METHODS AND MEANS FOR INDUCING APOPTOSIS BY INTERFERING WITH
TITLE OF INVENTION: BIP-LIKE PROTEINS
FILE REFERENCE: 2906-4940US
CURRENT APPLICATION NUMBER: US/09/581.001B
CURRENT FILING DATE: 2000-07-24
PRIOR APPLICATION NUMBER: PCT/NL98/00688
PRIOR FILING DATE: 1998-12-03
PRIOR APPLICATION NUMBER: EP 97203783.2
PRIOR FILING DATE: 1997-12-03
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.1
SEQ ID NO 20
LENGTH: 745
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (493)...(493)
OTHER INFORMATION: The "n" at position 493 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (510)...(510)
OTHER INFORMATION: The "n" at position 510 may be any of g, a, t, or c.

OY 34 GlySerSerMetSerLeuAla 40
Db 146 GATCGTCTATGAGTTGGCC 126

FEATURE:
NAME/KEY: misc_feature
LOCATION: (576)..(576)
OTHER INFORMATION: The "n" at position 576 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (590)..(590)
OTHER INFORMATION: The "n" at position 590 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (614)..(614)
OTHER INFORMATION: The "n" at position 614 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (630)..(630)
OTHER INFORMATION: The "n" at position 630 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (636)..(636)
OTHER INFORMATION: The "n" at position 636 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (657)..(658)
OTHER INFORMATION: The "n" at positions 657-658 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (660)..(660)
OTHER INFORMATION: The "n" at position 660 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (674)..(674)
OTHER INFORMATION: The "n" at position 674 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (685)..(685)
OTHER INFORMATION: The "n" at position 685 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (697)..(697)
OTHER INFORMATION: The "n" at position 697 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (699)..(699)
OTHER INFORMATION: The "n" at position 699 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (714)..(714)
OTHER INFORMATION: The "n" at position 714 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (719)..(719)
OTHER INFORMATION: The "n" at position 719 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (724)..(724)
OTHER INFORMATION: The "n" at position 724 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (730)..(730)
OTHER INFORMATION: The "n" at position 730 may be any of g, a, t, or c.
FEATURE:
NAME/KEY: misc_feature
LOCATION: (732)..(732)
OTHER INFORMATION: The "n" at position 732 may be any of g, a, t, or c.
US-09-581-001B-20

Alignment Scores:
Pred. No.: 103
Score: 7.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 13.73%
DB: 4

US-09-402-713a-7 (1-51) x US-09-581-001B-20 (1-745)
Qy 5 IleserSerProPhelystyr 11
|||||
Db 374 ATCTCTGCTTCAATAT 354

RESULT 19
US-09-107-532A-298/c
Sequence 298, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Arinfiello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 298:
SEQUENCE CHARACTERISTICS:
LENGTH: 1335 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc_feature
LOCATION: (b) LOCATION 1...1335
SEQUENCE DESCRIPTION: SEQ ID NO: 298:
US-09-107-532A-298

Alignment Scores:
Pred. No.: 180
Score: 7.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 13.73%
DB: 4

US-09-402-713a-7 (1-51) x US-09-107-532A-298 (1-1335)
Qy 2 PhelEnH1IleSerSerPro 8
|||||
Db 1315 TTCTCTCATATCTCCAGCCCA 1295

RESULT 20
US-08-868-288A-2/C
; Sequence 2, Application US/08868288A
; Patent No. 5922567
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/868,288A
; FILING DATE: June 3, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0309 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SYNORAB01
; CLONE: 136466
; US-08-868-288A-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 2 Gaps: 0

US-09-402-713A-7 (1-51) x US-08-868-288A-2 (1-1376)

QY 5 IlleSerSerProphelystyr 11
|||||
DB 963 ATCTCCTCTCCTTCAATAT 943

RESULT 21
US-09-235-373-2/C
; Sequence 2, Application US/09235373
; Patent No. 6001598
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/235,373
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/868,288
; FILING DATE: June 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0309 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SYNORAB01
; CLONE: 136466
; US-09-235-373-2

STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/235,373
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/868,288
FILING DATE: June 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0309 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1376 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SYNORAB01
CLONE: 136466
US-09-235-373-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-235-373-2 (1-1376)

QY 5 IlleSerSerProphelystyr 11
|||||
DB 963 ATCTCCTCTCCTTCAATAT 943

RESULT 22
US-09-388-993-2/C
; Sequence 2, Application US/09388993
; Patent No. 6043222
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/388,993
; FILING DATE:

PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/868,288
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Billings, Lucy J.
: REGISTRATION NUMBER: 36,749
: REFERENCE/DOCKET NUMBER: PF-0309 US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415-855-0555
: TELEFAX: 415-845-4166
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1376 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: LIBRARY: SYNORAB01
: CLONE: 136466
: US-09-388-993-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-388-993-2 (1-1376)

OY 5 IleserSerProphelysTyr 11
Db 963 ATCTCCTCTCTTCAATAT 943

RESULT 23
US-09-252-991a-1331
: Sequence 1331, Application US/09252991A
: Patent No. 6551795
: GENERAL INFORMATION:
: APPLICANT: Marc J. Rubenfield et al.
: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
: FILE REFERENCE: 107196.136
: CURRENT APPLICATION NUMBER: US/09/252,991A
: PRIOR FILING DATE: 1999-02-18
: PRIOR APPLICATION NUMBER: US 60/074,788
: PRIOR FILING DATE: 1998-02-18
: PRIOR APPLICATION NUMBER: US 60/094,190
: NUMBER OF SEQ ID NOS: 33142
: SEQ ID NO 1331
: LENGTH: 1467
: TYPE: DNA
: ORGANISM: Pseudomonas aeruginosa
: US-09-252-991a-1331

Alignment Scores:
Pred. No.: 197 Length: 1467
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-252-991a-1331 (1-1467)

OY 40 AlaLeuCysLeuValProLeu 46
Db 667 GCCCTGTGCTGTGCTGCCGCTG 687

RESULT 24
US-09-044-404A-1/c

: Sequence 1, Application US/09044404A
: Patent No. 6200775
: GENERAL INFORMATION:
: APPLICANT: SATHE, GANESH
: APPLICANT: HALSEY, WENDY
: APPLICANT: ELLIS, CATHERINE
: APPLICANT: AMES, ROBERT
: APPLICANT: FOLEY, JAMES
: APPLICANT: SARAU, HENRY
: TITLE OF INVENTION: A NOVEL CLONE HMTMF81 THAT ENCODES
: CORRESPONDENCE ADDRESSES: 2
: ADDRESS: SmithKline Beecham Corporation
: STREET: 790 Swedeland Road, P.O. Box 1539
: CITY: King of Prussia
: STATE: PA
: COUNTRY: USA
: ZIP: 19406
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: OPERATING SYSTEM: IBM Compatible
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/044,404A
: FILING DATE: MARCH 19, 1998
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/844,795
: FILING DATE: APRIL 22, 1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Han, William T.
: REGISTRATION NUMBER: 34,344
: REFERENCE/DOCKET NUMBER: GH-70001-1
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-270-5219
: TELEFAX: 610-270-5090
: TELEX:
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1578 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: US-09-044-404A-1

Alignment Scores:
Pred. No.: 211 Length: 1578
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-044-404A-1 (1-1578)

OY 3 IeuHISleSerProph 9
Db 1473 TTACATATTTCTCTCTTTT 1453

RESULT 25
US-09-586-924-1/c
: Sequence 1, Application US/09586924
: Patent No. 6506878
: GENERAL INFORMATION:
: APPLICANT: SATHE, GANESH M.
: APPLICANT: HALSEY, WENDY
: APPLICANT: ELLIS, CATHERINE E.
: APPLICANT: AMES, ROBERT S.
: APPLICANT: FOLEY, JAMES J.
: APPLICANT: SARAU, HENRY M.

US-09-044-404A-1/c


```
/ APPLICANT: CHAMBERS, JON
/ TITLE OF INVENTION: CDNA CLONE HMTMF81 THAT ENCODES A NOVEL
/ FILE OF INVENTION: HUMAN 7-TRANSMEMBRANE RECEPTOR
/ FILE REFERENCE: GH-70001-1D1
/ CURRENT APPLICATION NUMBER: US/09/586,924
/ PRIOR FILING DATE: 2000-06-05
/ PRIOR APPLICATION NUMBER: 09/044,404
/ PRIOR FILING DATE: 1998-03-19
/ PRIOR APPLICATION NUMBER: 08/844,795
/ PRIOR FILING DATE: 1997-04-22
/ NUMBER OF SEQ ID NOS: 2
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1
/ LENGTH: 1578
/ TYPE: DNA
/ ORGANISM: HOMO SAPIENS
US-09-586-924-1

Alignment Scores:
Pred. No.: 211 Length: 1578
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 4

US-09-402-713a-7 (1-51) x US-09-586-924-1 (1-1578)

QY 3 LeuHsiIleSerSerProPhe 9
Db 1473 TTACATATTCTCTCTCTCTTT 1453

RESULT 26
US-09-996-243-147/c
/ Sequence 147, Application US/09996243
/ Patent No. 6478825
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE OF INVENTION: Acids Encoding the Same
/ FILE REFERENCE: P2730P1C13
/ CURRENT APPLICATION NUMBER: US/09/996,243
/ PRIOR FILING DATE: 2001-11-14
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/065186
/ PRIOR FILING DATE: 1997-11-12
/ PRIOR APPLICATION NUMBER: 60/065311
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/ PRIOR FILING DATE: 1997-11-13
/ PRIOR APPLICATION NUMBER: 60/066770
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/075945
/ PRIOR FILING DATE: 1998-02-25
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/083322
/ PRIOR FILING DATE: 1998-04-28
/ PRIOR APPLICATION NUMBER: 60/084600
/ PRIOR FILING DATE: 1998-05-07
/ PRIOR APPLICATION NUMBER: 60/087106
/ PRIOR FILING DATE: 1998-05-28
/ PRIOR APPLICATION NUMBER: 60/087607
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087609
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087759
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087827
/ PRIOR FILING DATE: 1998-06-03
/ PRIOR APPLICATION NUMBER: 60/088021
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088025
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088026
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088028
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088029
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088030
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088033
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088326
/ PRIOR FILING DATE: 1998-06-04
/ PRIOR APPLICATION NUMBER: 60/088167
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088202
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088212
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088217
/ PRIOR FILING DATE: 1998-06-05
/ PRIOR APPLICATION NUMBER: 60/088655
/ PRIOR FILING DATE: 1998-06-09
/ PRIOR APPLICATION NUMBER: 60/088734
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088738
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088742
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088810
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088824
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088826
/ PRIOR FILING DATE: 1998-06-10
/ PRIOR APPLICATION NUMBER: 60/088858
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/088861
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/088876
/ PRIOR FILING DATE: 1998-06-11
/ PRIOR APPLICATION NUMBER: 60/089105
/ PRIOR FILING DATE: 1998-06-12
/ PRIOR APPLICATION NUMBER: 60/089440
/ PRIOR FILING DATE: 1998-06-16
/ PRIOR APPLICATION NUMBER: 60/089512
/ PRIOR FILING DATE: 1998-06-16
/ PRIOR APPLICATION NUMBER: 60/089514
/ PRIOR FILING DATE: 1998-06-16
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PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478

PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.:	216	Length:	1621
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	13.73%	Indels:	0
DB:	4	Gaps:	0

US-09-402-713a-7 (1-51) x US-09-996-243-147 (1-1621)

Qy 5 lIeSerSerProPhelysTyr 11
Db 926 ATCTCCTCCTTCAATAT 906

RESULT 27

US-09-328-352-639
Sequence 639, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 639
LENGTH: 2163
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-639

Alignment Scores:

Pred. No.:	285	Length:	2163
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	13.73%	Indels:	0
DB:	4	Gaps:	0

US-09-402-713a-7 (1-51) x US-09-328-352-639 (1-2163)

Qy 29 ProGlyArgHisLeuGlySer 35
Db 177 CCAGGCAGACATCTGGCTTCG 197

RESULT 28

US-09-620-312D-909
Sequence 909, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong

```

: APPLICANT: Zhao, Qing A.
: APPLICANT: Wehrman, Tom
: APPLICANT: Xue, Aidong J.
: APPLICANT: Yang, Yonghong
: APPLICANT: Wang, Jian-Rui
: APPLICANT: Zhou, Ping
: APPLICANT: Ma, Yungqing
: APPLICANT: Wang, Dunrui
: APPLICANT: Wang, Zhiwei
: APPLICANT: John Tillinghast
: APPLICANT: Drmanac, Radoje T.
: TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and
: FILE REFERENCE: Polypeptides
: CURRENT APPLICATION NUMBER: US/09/620,312D
: CURRENT FILING DATE: 2000-07-19
: PRIOR APPLICATION NUMBER: 09/552,317
: PRIOR FILING DATE: 2000-04-25
: PRIOR APPLICATION NUMBER: 09/488,725
: PRIOR FILING DATE: 2000-01-21
: NUMBER OF SEQ ID NOS: 1105
: SOFTWARE: pc-fl_genes Version 1.0
: SEQ ID NO 909
: LENGTH: 2268
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (445)..(1539)
US-09-620-312D-909

```

```

Alignment Scores:
Pred. No.: 298          Length: 2268
Score: 7.00            Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%      Indels: 0
DB: 4                  Gaps: 0

```

US-09-402-713a-7 (1-51) x US-09-620-312D-909 (1-2268)

```

QY      38 SerLeuAlaLeuCysLeuVal 44
DB      201 TCCCTTGCCCTGCTCTGTC 221

```

RESULT 29
US-09-411-977-1/c
Sequence 1, Application US/09411977

```

: Patent No. 6372473
: GENERAL INFORMATION:
: APPLICANT: Moore, Paul A.
: APPLICANT: Ruben, Steven M.
: APPLICANT: Ebner, Reinhard
: TITLE OF INVENTION: Tissue Plasminogen Activator-Like Protease
: FILE REFERENCE: PR378P1
: CURRENT APPLICATION NUMBER: US/09/411,977
: CURRENT FILING DATE: 1999-10-04
: EARLIER APPLICATION NUMBER: 09/084,491
: EARLIER FILING DATE: 1998-05-27
: EARLIER APPLICATION NUMBER: 60/048,000
: EARLIER FILING DATE: 1997-05-28
: NUMBER OF SEQ ID NOS: 30
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1
: LENGTH: 2329
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: sig_peptide
: LOCATION: (124)..(186)
: FEATURE:
: NAME/KEY: mat_peptide
: LOCATION: (187)..(915)

```

```

: FEATURE:
: NAME/KEY: CDS
: LOCATION: (124)..(915)
US-09-411-977-1

```

```

Alignment Scores:
Pred. No.: 305          Length: 2329
Score: 7.00            Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%      Indels: 0
DB: 4                  Gaps: 0

```

US-09-402-713a-7 (1-51) x US-09-411-977-1 (1-2329)

```

QY      21 AlaGlnArgSerLeuGlyGlu 27
DB      1262 GCACAGAGAGACCTGGGGAG 1242

```

RESULT 30
US-07-795-859B-5/c
Sequence 5, Application US/07795859B

```

: Patent No. 5422262
: GENERAL INFORMATION:
: APPLICANT: Anderson, Stefan
: APPLICANT: Russell, David W.
: TITLE OF INVENTION: Steroid 5 $\alpha$ -reductases
: NUMBER OF SEQUENCES: 37
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Arnold, White and Durkee
: STREET: P.O. Box 4433
: CITY: Houston
: STATE: TX
: COUNTRY: USA
: ZIP: 77210
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: ASCII-DOS
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/795,859B
: FILING DATE: 18-NOV-1991
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Parker, David L.
: REGISTRATION NUMBER: 32,165
: REFERENCE/DOCKET NUMBER: UTSD:260/PAR
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (512) 320-7200
: TELEFAX: (512) 474-7677
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2437 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 28..789
US-07-795-859B-5

```

```

Alignment Scores:
Pred. No.: 319          Length: 2437
Score: 7.00            Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%      Indels: 0
DB: 1                  Gaps: 0

```

US-09-402-713a-7 (1-51) x US-07-795-859B-5 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
|||||
Db 2312 CTGTGCTTAGTACCACCTGGTG 2292

RESULT 31
US-08-457-616-5/C
; Sequence 5, Application US/08457616
; Patent No. 5679521
; GENERAL INFORMATION:
; APPLICANT: Anderson, Stefan
; APPLICANT: Russell, David W.
; TITLE OF INVENTION: Steroid 5'-Reductases
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White and Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,616
; FILING DATE: 01-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/795,859
; FILING DATE: 18-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTSD:260/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 320-7200
; TELEFAX: (512) 474-7677
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2437 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 28..789
; US-08-457-616-5

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0

US-09-402-713A-7 (1-51) x US-08-457-616-5 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
|||||
Db 2312 CTGTGCTTAGTACCACCTGGTG 2292

RESULT 32
US-09-235-538-1/C
; Sequence 1, Application US/09235538
; Patent No. 6395479
; GENERAL INFORMATION:
; APPLICANT: Reichardt, Juergen, K.V., Ph.D.
; APPLICANT: Gerhardt, Coetzee, A., Ph.D.
; APPLICANT: Henderson, Brian E., M.D.

; APPLICANT: Makridakis, Nick
; APPLICANT: Ross, Ronald, M.D.
; APPLICANT: University of Southern California
; TITLE OF INVENTION: ANDROGEN-METABOLIC GENE MUTATIONS AND
; FILE REFERENCE: 13761-7060S1
; CURRENT APPLICATION NUMBER: US/09/235,538
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: US 60/072,225
; PRIOR FILING DATE: 1998-01-23
; PRIOR APPLICATION NUMBER: PCT/US99/01165
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2437
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-235-538-1

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0

US-09-402-713A-7 (1-51) x US-09-235-538-1 (1-2437)

OY 41 LeuCysLeuValProLeuVal 47
|||||
Db 2312 CTGTGCTTAGTACCACCTGGTG 2292

RESULT 33
US-09-252-991A-1285
; Sequence 1285, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1285
; LENGTH: 2538
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-1285

Alignment Scores:
Pred. No.: 331 Length: 2538
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0

US-09-402-713A-7 (1-51) x US-09-252-991A-1285 (1-2538)

OY 40 AlaLeuCysLeuValProLeu 46
|||||
Db 1982 GCCCTGTGCGCTGTGCGGCTG 2002

RESULT 34
US-09-252-991A-1279/C
; Sequence 1279, Application US/09252991A

; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1279
; LENGTH: 2571
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1279

Alignment Scores:
Pred. No.: 335 Length: 2571
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-252-991A-1279 (1-2571)

OY 40 AlaleucysleuvalProleu 46
Db 561 GCCCTGCTGCTGCTGCCCTG 541

RESULT 35

US-08-147-949A-1/C
; Sequence 1, Application US/08147949A
; Patent No. 5747279

; GENERAL INFORMATION:
; APPLICANT: Pasternak, Gavril W.
; APPLICANT: Pan, Ying-Xian
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: KAPPA OPIOID RECEPTORS, RECEPTORS
; TITLE OF INVENTION: ENCODED THEREBY, AND USES THEREOF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/147,949A
; FILING DATE: 05-NOV-1993

; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 44782/JPM/JKM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; TELEX: 422523 COOP UI

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2600 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 299..1401
; OTHER INFORMATION:
US-08-147-949A-1

Alignment Scores:
Pred. No.: 339 Length: 2600
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-7 (1-51) x US-08-147-949A-1 (1-2600)

OY 40 AlaleucysleuvalProleu 46
Db 2014 GCTTTGTCTTTGCTCCCTG 1994

RESULT 36
US-09-484-970B-90/C
; Sequence 90, Application US/09484970B
; Patent No. 6426186

; GENERAL INFORMATION:
; APPLICANT: Jones, Karen A.
; APPLICANT: Volkmuth, Wayne
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: BONE REMODELING GENES
; FILE REFERENCE: PB-0014 US
; CURRENT APPLICATION NUMBER: US/09/484,970B
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PERL Program
; SEQ ID NO 90
; LENGTH: 2798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6426186 245084.3CB1
; NAME/KEY: unsure
; LOCATION: 126, 129, 199, 204
; OTHER INFORMATION: a, t, c, g, or other
US-09-484-970B-90

Alignment Scores:
Pred. No.: 364 Length: 2798
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-484-970B-90 (1-2798)

OY 21 AlaglnargSerleuGlyGlu 27
Db 1650 GCACAGAGAGAGCTGGGGAG 1630

RESULT 37
US-09-203-453-4
; Sequence 4, Application US/09203453
; Patent No. 6426411
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and Adelmant, Guilan
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f"symbol") COACTIVA
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/203,453
; CURRENT FILING DATE: 1998-12-01

```

; EARLIER APPLICATION NUMBER: 09/086,912
; EARLIER FILING DATE: 1998-05-29
; EARLIER APPLICATION NUMBER: 60/048,107
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3023
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(2482)
US-09-203-453-4

Alignment Scores:
Pred. No.: 391          Length: 3023
Score: 7.00           Matches: 7
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 13.73%          Indels: 0
DB: 4                  Gaps: 0

US-09-402-713a-7 (1-51) x US-09-900-236-4 (1-3023)
QY 19 LysgluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 38
US-09-900-236-4
; Sequence 4, Application US/09900236
; Patent No. 6525178
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and
; APPLICANT: Adelmant, Guillaume
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f "Symbol")
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/900,236
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/203,453
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-01
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/048,107
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3023
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(2482)
US-09-900-236-4

Alignment Scores:
Pred. No.: 391          Length: 3023
Score: 7.00           Matches: 7
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 13.73%          Indels: 0
DB: 4                  Gaps: 0

US-09-402-713a-7 (1-51) x US-09-900-236-4 (1-3023)
QY 19 LysgluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 39
US-09-086-912-1
; Sequence 1, Application US/09086912
; Patent No. 6166192
; GENERAL INFORMATION:
; APPLICANT: Bruce M. Spiegelman, Pere Puigserver and Zhidan Wu
; TITLE OF INVENTION: PGC-1, A NO. 6166192e1 Brown Fat PPAR(SYMBOL
; TITLE OF INVENTION: 103 \f "Symbol") Coactivator
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/086,912
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/048,107
; FILING DATE: 30-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy B.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-023
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3066 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 92..2482
US-09-086-912-1

Alignment Scores:
Pred. No.: 397          Length: 3066
Score: 7.00           Matches: 7
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 13.73%          Indels: 0
DB: 3                  Gaps: 0

US-09-402-713a-7 (1-51) x US-09-086-912-1 (1-3066)
QY 19 LysgluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 40
US-09-203-453-1
; Sequence 1, Application US/09203453
; Patent No. 6426411
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and Adelmant, Guilan
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f "Symbol") COACTIVA
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/203,453
; PRIOR FILING DATE: 1998-12-01
; CURRENT APPLICATION NUMBER: 09/086,912
; EARLIER APPLICATION NUMBER: 09/086,912
; EARLIER FILING DATE: 1998-05-29
; EARLIER APPLICATION NUMBER: 60/048,107
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
```

SEQ ID NO 1
LENGTH: 3066
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (92)..(2482)
US-09-203-453-1

Alignment Scores:

Pred. No.: 397 Length: 3066
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-203-453-1 (1-3066)

QY 19 LysgluAlaGlnArgSerLeu 25
|||||

DB 2456 AAGGAAGCTCAGAGAAGCTTG 2476

RESULT 41

US-09-900-236-1
Sequence 1, Application US/09900236
Patent No. 6525178
GENERAL INFORMATION:
APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and
APPLICANT: Adelmant, Guillaume
TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f "symbol")
TITLE OF INVENTION: COACTIVATOR
FILE REFERENCE: DFN-023CP
CURRENT APPLICATION NUMBER: US/09/900,236
CURRENT FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/203,453
PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-01
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/048,107
PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-30
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 3066
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (92)..(2482)
US-09-900-236-1

Alignment Scores:

Pred. No.: 397 Length: 3066
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-900-236-1 (1-3066)

QY 19 LysgluAlaGlnArgSerLeu 25
|||||

DB 2456 AAGGAAGCTCAGAGAAGCTTG 2476

RESULT 42

US-09-221-017B-255/C
Sequence 255, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: ROSS, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FASTSEQ for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/221,017B

FILING DATE: 23-DEC-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PP1182

FILING DATE: 31-DEC-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PP1546

FILING DATE: 30-JAN-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PP2911

FILING DATE: 09-APR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/AU98/01023

FILING DATE: 10-DEC-1998

ATTORNEY/AGENT INFORMATION:

NAME: Monroy, Gladys H

REGISTRATION NUMBER: 32,430

REFERENCE/DOCKET NUMBER: 27340-20021.00

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-813-5600

TELEFAX: 650-494-0792

INFORMATION FOR SEQ ID NO: 255:

SEQUENCE CHARACTERISTICS:

LENGTH: 3218 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: UNKNOWN

ORIGINAL SOURCE:

ORGANISM: PORPHYROMONAS GINGIVALIS

FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...3218
US-09-221-017B-255

Alignment Scores:

Pred. No.: 415 Length: 3218
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-221-017B-255 (1-3218)

QY 35 SerSerMetSerLeuAlaLeu 41
|||||

DB 2787 AGTTCATGAGCTTGCCCTTG 2767

RESULT 43

US-08-961-527-70/C
Sequence 70, Application US/08961527
Patent No. 6420135
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
NUMBER OF SEQUENCES: 391

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Human Genome Sciences, Inc.
;; STREET: 9410 Key West Avenue
;; CITY: Rockville
;; STATE: Maryland
;; COUNTRY: USA
;; ZIP: 20850
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 3.50 Inch, 1.4Mb storage
;; COMPUTER: HP Vectra 486/33
;; OPERATING SYSTEM: MSDOS version 6.2
;; SOFTWARE: ASCII Text
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/961,527
;; FILING DATE:
;; CLASSIFICATION: 424
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Brookes, A. Anders
;; REGISTRATION NUMBER: 36,373
;; REFERENCE/DOCKET NUMBER: PB340P1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (301) 309-8504
;; TELEFAX: (301) 309-8512
;; INFORMATION FOR SEQ ID NO: 70:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 13188 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; US-08-961-527-70

Alignment Scores:
Pred. No.: 1.59e+03 Length: 13188
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-08-961-527-70 (1-13188)

OY 40 AlaleucylserLeuValProLeu 46
|||||
Db 2186 GCGGTATGTTGGTGCCTTA 2166

RESULT 44
US-09-215-694-19/C
; Sequence 19, Application US/09215694B
; Patent No. 6391583
; GENERAL INFORMATION:
; APPLICANT: Wisconsin Alumni Research Foundation
; APPLICANT: Hutchinson, Charles R.
; APPLICANT: Kennedy, Jonathan n.m.i
; APPLICANT: Park, Cheonseok n.m.i
; TITLE OF INVENTION: METHOD OF PRODUCING ANTIHYPERCHOLESTEROLEMIC AGENTS
; FILE REFERENCE: 960296.95718
; CURRENT APPLICATION NUMBER: US/09/215.694B
; CURRENT FILING DATE: 1999-12-18
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 31328
; TYPE: DNA
; ORGANISM: Aspergillus terreus
US-09-215-694-19

Alignment Scores:
Pred. No.: 3.62e+03 Length: 31328
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-215-694-19 (1-31328)

OY 22 GlnArgSerLeuGlyIleuMet 28
|||||
Db 24667 CACAGTAGTCTCGCGGAATG 24647

RESULT 45
US-09-738-894A-3/C
; Sequence 3, Application US/09738894A
; Patent No. 6331423
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CLO00636
; CURRENT APPLICATION NUMBER: US/09/738,894A
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 36651
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(36651)
; OTHER INFORMATION: n = A,T,C or G
US-09-738-894A-3

Alignment Scores:
Pred. No.: 4.21e+03 Length: 36651
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-7 (1-51) x US-09-738-894A-3 (1-36651)

OY 35 SerSerMetSerLeuAlaLeu 41
|||||
Db 15084 TCCAGTATGTCTCTAGCATTG 15064

Search completed: September 29, 2003, 14:57:27
job time : 60.5 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 29, 2003, 14:39:34 : Search time 122.058 Seconds
(without alignments)
7366.135 Million cell updates/sec

Title: US-09-402-713a-1

Perfect score: 2037
Sequence: 1 agaagctgcgtcagcaaaaa.....cataaagaattacaaga 2037

Scoring table: OLIGO_NUC
Gapop 60.0, Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries

Database :

1: /cgn2_6/ptodata/1/1na/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/1na/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/1na/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/1na/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/1na/PCtUB.COMB.seq:*
6: /cgn2_6/ptodata/1/1na/Backfillseq1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1154	56.7	2426	US-09-439-313-470	Sequence 470, App
2	1154	56.7	2426	US-09-352-616A-470	Sequence 470, App
3	1154	56.7	3112	US-09-439-313-468	Sequence 468, App
4	1154	56.7	3112	US-09-352-616A-468	Sequence 468, App
5	1033	50.7	2229	US-09-439-313-469	Sequence 469, App
6	1033	50.7	2229	US-09-352-616A-469	Sequence 469, App
7	720	35.3	812	US-09-439-313-471	Sequence 471, App
8	720	35.3	812	US-09-352-616A-471	Sequence 471, App
9	201	9.9	718	US-09-439-313-313	Sequence 313, App
10	201	9.9	718	US-09-352-616A-313	Sequence 313, App
11	201	9.9	718	US-09-232-149A-313	Sequence 313, App
12	179	8.8	301	US-09-439-313-287	Sequence 287, App
13	179	8.8	301	US-09-352-616A-287	Sequence 287, App
14	179	8.8	301	US-09-232-149A-287	Sequence 287, App
15	26	1.3	1379	US-09-620-312D-791	Sequence 791, App
16	26	1.3	1379	US-09-620-312D-788	Sequence 788, App
17	26	1.3	1519	US-09-620-312D-789	Sequence 789, App
18	20	1.0	1664976	US-08-916-421B-1	Sequence 1, Appli
19	19	0.9	161	US-08-450-834-3	Sequence 3, Appli
20	19	0.9	948	US-09-107-532A-2263	Sequence 2263, Ap
21	19	0.9	98844	US-09-791-211-10	Sequence 10, Appl
22	18	0.9	1324	US-09-599-360B-59	Sequence 59, Appl
23	18	0.9	1735	US-08-102-863-10	Sequence 10, Appl
24	18	0.9	1735	PCT-US92-10885-10	Sequence 10, Appl
25	18	0.9	3645	US-08-663-112-1	Sequence 1, Appli
26	18	0.9	4527	US-08-944-449-8	Sequence 8, Appli
27	18	0.9	4527	US-09-353-362-8	Sequence 8, Appli

28	18	0.9	8930	US-09-077-098A-1	Sequence 1, Appli
29	18	0.9	17000	US-09-679-299A-18	Sequence 18, Appl
30	18	0.9	72604	US-09-268-992-7	Sequence 7, Appli
31	18	0.9	72604	US-09-657-474-7	Sequence 7, Appli
32	18	0.9	99500	US-09-798-096-10	Sequence 10, Appl
33	17	0.8	157	US-08-392-678-11	Sequence 11, Appl
34	17	0.8	157	US-08-457-304A-11	Sequence 11, Appl
35	17	0.8	157	US-08-456-701A-11	Sequence 11, Appl
36	17	0.8	157	US-08-688-932A-11	Sequence 11, Appl
37	17	0.8	426	US-09-328-352-2225	Sequence 2225, Ap
38	17	0.8	590	US-09-364-206-25	Sequence 25, Appl
39	17	0.8	831	US-08-454-115-1	Sequence 5, Appli
40	17	0.8	831	US-08-450-834-5	Sequence 5, Appli
41	17	0.8	981	US-09-134-001C-982	Sequence 982, App
42	17	0.8	1017	US-09-328-475C-104	Sequence 104, App
43	17	0.8	1242	US-08-454-115-4	Sequence 4, Appli
44	17	0.8	2196	US-08-313-274-1	Sequence 1, Appli
45	17	0.8	2389	US-09-228-986-1	Sequence 1, Appli
46	17	0.8	2427	US-08-490-099-1	Sequence 1, Appli
47	17	0.8	2920	US-08-976-259-10	Sequence 10, Appl
48	17	0.8	3247	US-08-718-388-4	Sequence 4, Appli
49	17	0.8	3661	US-08-718-388-5	Sequence 5, Appli
50	17	0.8	3675	US-08-793-331-5	Sequence 5, Appli
51	17	0.8	5128	US-09-364-206-1	Sequence 1, Appli
52	17	0.8	6792	US-09-374-454-20	Sequence 20, Appl
53	17	0.8	7824	US-08-718-388-6	Sequence 6, Appli
54	17	0.8	1857	US-09-620-312D-75	Sequence 75, Appl
55	17	0.8	15202	US-08-922-633-21	Sequence 21, Appl
56	17	0.8	15328	US-08-888-497-33	Sequence 33, Appl
57	17	0.8	15328	US-09-362-230-33	Sequence 33, Appl
58	17	0.8	15328	PCT-US94-07926-33	Sequence 33, Appl
59	17	0.8	16382	US-08-718-388-8	Sequence 8, Appli
60	17	0.8	36519	US-08-923-137-2	Sequence 2, Appli
61	17	0.8	46167	US-09-816-093-3	Sequence 3, Appli
62	17	0.8	64467	US-09-803-671B-3	Sequence 3, Appli
63	17	0.8	64467	US-08-916-421B-1	Sequence 1, Appli
64	16	0.8	1664976	US-09-705-299-79	Sequence 79, Appl
65	16	0.8	20	US-09-671-317-654	Sequence 654, App
66	16	0.8	51	US-09-046-247-45	Sequence 45, Appl
67	16	0.8	89	US-08-379-482A-3	Sequence 3, Appli
68	16	0.8	154	US-09-016-434-1001	Sequence 1001, Ap
69	16	0.8	219	US-09-328-352-2419	Sequence 2419, Ap
70	16	0.8	243	US-09-280-116-75	Sequence 75, Appl
71	16	0.8	279	US-09-313-294A-3072	Sequence 3072, Ap
72	16	0.8	430	US-08-466-033-27	Sequence 27, Appl
73	16	0.8	430	US-08-444-733-27	Sequence 27, Appl
74	16	0.8	430	US-08-464-134-27	Sequence 27, Appl
75	16	0.8	430	US-08-461-361-27	Sequence 27, Appl
76	16	0.8	430	US-08-485-910-27	Sequence 27, Appl
77	16	0.8	441	US-08-856-253-1	Sequence 1, Appli
78	16	0.8	495	US-09-328-352-1407	Sequence 1407, Ap
79	16	0.8	581	US-09-671-545A-1	Sequence 1, Appli
80	16	0.8	622	US-09-385-962-189	Sequence 189, App
81	16	0.8	630	US-09-328-352-799	Sequence 799, App
82	16	0.8	658	US-09-671-545A-2	Sequence 2, Appli
83	16	0.8	695	US-09-040-984-39	Sequence 39, Appl
84	16	0.8	695	US-09-123-912-39	Sequence 39, Appl
85	16	0.8	695	US-09-643-557-39	Sequence 39, Appl
86	16	0.8	695	US-09-480-884A-39	Sequence 39, Appl
87	16	0.8	695	US-09-542-615A-39	Sequence 39, Appl
88	16	0.8	695	US-09-606-421B-39	Sequence 39, Appl
89	16	0.8	716	US-08-991-789A-17	Sequence 37, Appl
90	16	0.8	716	US-09-065-451-37	Sequence 37, Appl
91	16	0.8	716	US-09-596-326-37	Sequence 37, Appl
92	16	0.8	716	US-09-289-198-37	Sequence 37, Appl
93	16	0.8	750	US-09-133-001C-2193	Sequence 2193, Ap
94	16	0.8	752	US-09-484-970B-88	Sequence 88, Appl
95	16	0.8	793	US-09-221-017B-104	Sequence 104, App
96	16	0.8	801	US-09-134-001C-2409	Sequence 2409, Ap
97	16	0.8	801	US-09-253-991A-698	Sequence 699, App
98	16	0.8	806	US-08-936-165A-6	Sequence 6, Appli
99	16	0.8	816	US-07-637-865-1	Sequence 1, Appli
100	16	0.8	849	US-08-856-253-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-09-439-313-470/c

; Sequence 470, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yugu

; APPLICANT: Reed, Steven G.

; APPLICANT: Kaios, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439, 313

; CURRENT FILING DATE: 1999-11-12

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470

; LENGTH: 2426

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-439-313-470

Query Match 56.7%; Score 1154; DB 4; Length 2426;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1769 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710
QY 323 AGATAATTACATCTAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 382
DB 1709 AGATAATTACATCTAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1650
QY 383 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAAGCAAAAGGAAGCAC 442
DB 1649 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAAGCAAAAGGAAGCAC 1390
QY 443 AGAGATCCCTGGGAGAAATGCCGCCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTGT 502
DB 1589 AGAGATCCCTGGGAGAAATGCCGCCGCCCATCTTGGGTCATCGATGAGCCTCGCCCTGT 1530
QY 503 GCTGTGTCCTGCTGAGGAGGAGACATTAGAAATGAATGTGATGTTCTTAAAGGA 562
DB 1529 GCTGTGTCCTGCTGAGGAGGAGACATTAGAAATGAATGTGATGTTCTTAAAGGA 1470
QY 563 TGGGAGGAAAGAGATCTGTGTGATTTTATTTGAACGGGATTAAGATTTGAAT 622
DB 1469 TGGGAGGAAAGAGATCTGTGTGATTTTATTTGAACGGGATTAAGATTTGAAT 1410
QY 623 GAAGTCACAAAGTGAGCATTAACCAATGAGAGAAACAGAGCAAAATCTTGATGCTT 682
DB 1409 GAAGTCACAAAGTGAGCATTAACCAATGAGAGAAACAGAGCAAAATCTTGATGCTT 1350
QY 683 CACAGACATGCAACAAACAAATGAAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 742
DB 1349 CACAGACATGCAACAAACAAATGAAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 1290
QY 743 AGGAGATTAACCGGGGCGAGAGGCTGAGATTTCTGAGCCCTGCTGCTTAACTGTGCTTC 802
DB 1289 AGGAGATTAACCGGGGCGAGAGGCTGAGATTTCTGAGCCCTGCTTAACTGTGCTTC 1230
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RESULT 2

US-09-352-616A-470/c

; Sequence 470, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang, Yugu

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer Lynn

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.427C8

; CURRENT APPLICATION NUMBER: US/09/352,616A

; CURRENT FILING DATE: 1999-07-13

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470

; LENGTH: 2426

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-470

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DB 1229 ATACCAATCATTTTCATATTTCTAACCTTCAAAACAAAGCTGTGTAATATCTGATCTC 1170
QY 863 TAGGCTTCCTTGGGCCCCAACATTTCTCCATATATCCAGCCACATCATTTTAAATTT 922
DB 1169 TAGGCTTCCTTGGGCCCCAACATTTCTCCATATATCCAGCCACATCATTTTAAATTT 1110
QY 923 AGTTCCAGATCTGTAGCTGTGACCTTCTACATCTGTAATTAACATTAATCTGTTGTC 982
DB 1109 AGTTCCAGATCTGTAGCTGTGACCTTCTACATCTGTAATTAACATTAATCTGTTGTC 1050
QY 983 AAAGACCTTCGTGTGCTGCTTCAATATGAGCTGACTGTTTTCCTAAGAGTGTCTG 1042
DB 1049 AAAGACCTTCGTGTGCTGCTTCAATATGAGCTGACTGTTTTCCTAAGAGTGTCTG 990
QY 1043 GCCCAGGGATCTGTGACAGGCTGGAGACATCTCAAGATCTTTCAGGGTTATCTTA 1102
DB 989 GCCCAGGGATCTGTGACAGGCTGGAGACATCTCAAGATCTTTCAGGGTTATCTTA 930
QY 1103 CTAGCACACGATGATCATTAAGAGAGTGAATATGCAATCAACATCATCTGAGTCTT 1162
DB 929 CTAGCACACGATGATCATTAAGAGAGTGAATATGCAATCAACATCATCTGAGTCTT 870
QY 1163 TTGCCATTAATATCAAGAGATTAATCTTTTTCACCTGGAAGATTTCAATGTATCAG 1222
DB 869 TTGCCATTAATATCAAGAGATTAATCTTTTTCACCTGGAAGATTTCAATGTATCAG 810
QY 1223 TTGCCATTAATATCAAGAGATTAATCTTTTTCACCTGGAAGATTTCAATGTATCAG 1282
DB 809 TTGCCATTAATATCAAGAGATTAATCTTTTTCACCTGGAAGATTTCAATGTATCAG 750
QY 1283 CAGCTATGGAATTAATTAATCAATTTTGTTCACAGTGAAGATGACATCAATCTCTTA 1342
DB 749 CAGCTATGGAATTAATTAATCAATTTTGTTCACAGTGAAGATGACATCAATCTCTTA 690
QY 1343 TCCCTCCCTTGTGTGATTTTTCACATTAATTAATTAATGCTTACCTGTACTG 1402
DB 689 TCCCTCCCTTGTGTGATTTTTCACATTAATTAATTAATGCTTACCTGTACTG 630
QY 1403 AGGCTGTATACAGC 1416
DB 629 AGGCTGTATACAGC 616
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RESULT 2

US-09-352-616A-470/c

; Sequence 470, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang, Yugu

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer Lynn

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE

; FILE REFERENCE: 210121.427C8

; CURRENT APPLICATION NUMBER: US/09/352,616A

; CURRENT FILING DATE: 1999-07-13

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470

; LENGTH: 2426

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-470

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Query Match 56.7%; Score 1154; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY	743	AGGAGTATPACACGGGGGAGGGGTCAAGATTCTGGCCCTGCTGCTAAACTGTGCGCTC	802
Db	1793	AGGAGTATPACACGGGGGAGGGGTCAAGATTCTGGCCCTGCTGCTAAACTGTGCGCTC	1852
QY	803	ATAACCAAAATCTTTCATATTTCATACCCCTCAAAACAAAGCTGTGTATATATCTGATCTC	862
Db	1853	ATAACCAAAATCTTTCATATTTCATACCCCTCAAAACAAAGCTGTGTATATATCTGATCTC	1912
QY	863	TACAGTTCCTCTGCGGGCCAAATCTTCACATATATCCAGCACACCTCATTTTAAATTTT	922
Db	1913	TACAGTTCCTCTGCGGGCCAAATCTTCACATATATCCAGCACACCTCATTTTAAATTTT	1972
QY	923	AGTTCCAGATCTCTACTGTGACCTTTTCTACACCTGTGAATAATTAATTAATTAATTTGTC	982
Db	1973	AGTTCCAGATCTCTACTGTGACCTTTTCTACACCTGTGAATAATTAATTAATTAATTTGTC	2032
QY	983	AAAGACCTTCGTGTCTGCTCCTAATATGTAGTGACTGTTTTCCTAAGGAGTGTCTG	1042
Db	2033	AAAGACCTTCGTGTGTGCTCCTAATATGTAGTGACTGTTTTCCTAAGGAGTGTCTG	2092
QY	1043	GCCGAGGGGATCTGTGAACAGCTGTGGGAAGCATCTCAAGATCTTCCAGGGTTATACTTA	1102
Db	2093	GCCGAGGGGATCTGTGAACAGCTGTGGGAAGCATCTCAAGATCTTCCAGGGTTATACTTA	2152
QY	1103	CTAGACACACGATGATCATTACGGAGTGAATTATCTAATACATCATCTCAGTGTCT	1162
Db	2153	CTAGACACACGATGATCATTACGGAGTGAATTATCTAATACATCATCTCAGTGTCT	2212
QY	1163	TTGGCCATACAGAAATTCATTTCCACATTTTGTGCCATCTCAAGACCTCAAAATGTCA	1222
Db	2213	TTGGCCATACAGAAATTCATTTCCACATTTTGTGCCATCTCAAGACCTCAAAATGTCA	2272
QY	1223	TTCCATTAATATACAGAGATTAACTTTTTCCTAAGCTGGAGAATTCATGTTACATG	1282
Db	2273	TTCCATTAATATACAGAGATTAACTTTTTCCTAAGCTGGAGAATTCATGTTACATG	2332
QY	1283	CAGCTATGGGAATTAATTAATATTTTGTTCACATGCAAAAGTACATTAAGCTCTTA	1342
Db	2333	CAGCTATGGGAATTAATTAATATTTTGTTCACATGCAAAAGTACATTAAGCTCTTA	2392
QY	1343	TCCCTCCCTTTGTTGATTTTTCACATTAAGTTAAAGTCTTAGCCTGTACTG	1402
Db	2393	TCCCTCCCTTTGTTGATTTTTCACATTAAGTTAAAGTCTTAGCCTGTACTG	2452
QY	1403	AGGCTGTATACAGC 1416	
Db	2453	AGGCTGTATACAGC 2466	
RESULT 4			
US-09-352-616A-468			
; Sequence 468, Application US/09352616A			
; Patent No. 6395278			
; GENERAL INFORMATION:			
; APPLICANT: Dillon, Devin C.			
; APPLICANT: Harlocker, Susan Louise			
; APPLICANT: Jiang, Yugu			
; APPLICANT: Xu, Jiangchun			
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS			
; FILE REFERENCE: 210121.427C8			
; CURRENT APPLICATION NUMBER: US/09/352,616A			
; NUMBER OF SEQ ID NOS: 472			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 468			
; LENGTH: 3112			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-352-616A-468			
Query Match			
56.7%; Score:154; DB 4; Length 3112;			

	Best Local Similarity	100.0%	Pred. No. 0:	
	Matches 1154:	Conservative 0:	Mismatches 0:	Indels 0:
				Gaps 0:
OY	263	GGTGAGAAATTAAGAAAGGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGAATG	322	
Db	1313	GGTGAGAAATTAAGAAAGGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGAATG	1372	
OY	223	AGATTAATTAACATCACTGTAAGAACGCAAGATGACAAATTAATATGCTTAAGTGTGACATGT	382	
Db	1373	AGATTAATTAACATCACTGTAAGAACGCAAGATGACAAATTAATATGCTTAAGTGTGACATGT	1432	
OY	383	TTTTGCACATTTCCAGCCCCCTTTTAATATCCACACACACAGAGACACAAAAAGAGACAC	442	
Db	1433	TTTTGCACATTTCCAGCCCCCTTTTAATATCCACACACACAGAGACACAAAAAGAGACAC	1492	
OY	443	AGAGATCCCTTGGGAGAAATGCCCGCCGCTTTGGGTCAATGCATGACGCTGCCCGCT	502	
Db	1493	AGAGATCCCTTGGGAGAAATGCCCGCCGCTTTGGGTCAATGCATGACGCTGCCCGCT	1552	
OY	503	GCTGTGTCGCCCTTGTGAGAGAGAGACATTAAGAAATGAAATGATGTGTTCTTAAAGA	562	
Db	1553	GCTGTGTCGCCCTTGTGAGAGAGAGACATTAAGAAATGAAATGATGTGTTCTTAAAGA	1612	
OY	563	TGGGAGAGAAACAGATCCTTGTGGATATTTATTTGACGGATTAACGATTTGAAT	622	
Db	1613	TGGGAGAGAAACAGATCCTTGTGGATATTTATTTGAAAGGGATTAACGATTTGAAT	1672	
OY	623	GAGTCACAAAGTGTGACATTCACATGTAGAGAAACAGACGAGAGAAATCTTGATGGCT	682	
Db	1673	GAGTCACAAAGTGTGACATTCACATGTAGAGAAACAGACGAGAGAAATCTTGATGGCT	1732	
OY	683	CACAAGACATSCAACAAACAAATGGAATCTGTGATGACATGAGGCCACCCAGCTGGGG	742	
Db	1733	CACAAGACATSCAACAAACAAATGGAATCTGTGATGACATGAGGCCACCCAGCTGGGG	1792	
OY	743	AGGAGATTACACAGGGGGCAGAGGGTGCAGGATTTGGGCCCTGCTGCTTAACTGTGGCTTC	802	
Db	1793	AGGAGATTACACAGGGGGCAGAGGGTGCAGGATTTGGGCCCTGCTGCTTAACTGTGGCTTC	1852	
OY	803	ATTAACCAATTCATTTCAATATTTCTAACCCCTCAAAACAAAGCTGTGTGAATATCGATCTC	862	
Db	1853	ATTAACCAATTCATTTCAATATTTCTAACCCCTCAAAACAAAGCTGTGTGAATATCGATCTC	1912	
OY	863	TACGGTTCCTTCTGGGCCAACATTTCTCCATATATCCAGCCACACTATTTTAAATTT	922	
Db	1913	TACGGTTCCTTCTGGGCCAACATTTCTCCATATATCCAGCCACACTATTTTAAATTT	1972	
OY	923	AGTTCCCGACATCTGACTGTGACCTTTCTACAGTGTAGAAATTAATTAATCTATTTGTC	982	
Db	1973	AGTTCCCGACATCTGACTGTGACCTTTCTACAGTGTAGAAATTAATTAATCTATTTGTC	2032	
OY	983	AAAGACCCCTTCGTGTGCTGCCTAATATATGATGACTGTTTTTCTTAAGAGATGTCiG	1042	
Db	2033	AAAGACCCCTTCGTGTGCTGCCTAATATATGATGACTGTTTTTCTTAAGAGATGTCiG	2092	
OY	1043	GCCCAGGSGATCTGGAACAGGCGGGAGAGATCTCAAGATCTTCCAGGGTTATACTTA	1102	
Db	2093	GCCCAGGSGATCTGGAACAGGCGGGAGAGATCTCAAGATCTTCCAGGGTTATACTTA	2152	
OY	1103	CTACACACACATGATCATTTACGAGAGATTAATTCATATCMAATCATCTCCTAGTGTCT	1162	
Db	2153	CTACACACACATGATCATTTACGAGAGATTAATTCATATCMAATCATCTCCTAGTGTCT	2212	
OY	1163	TTGGCCCATACGGAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAATGCA	1222	
Db	2213	TTGGCCCATACGGAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAATGCA	2272	
OY	1223	TTTCATTAATTAATACAGAGATTAATCTTTTTTTTAACTGTGAGAAATTAATCTGTAATG	1282	
Db	2273	TTTCATTAATTAATACAGAGATTAATCTTTTTTTTAACTGTGAGAAATTAATCTGTAATG	2332	
OY	1283	CAGGTATGGAATTTAATTTACATATTTTGTTCAGTGCAGAAAGATGACTAAGTCCTTGA	1342	

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Db      2333 CAGCTATGGGAATTTAATACATATTTGTTTCCAGTGCAGAAAGATGACATAGTCCTTTA 2392
Qy      1343 TCCTCCCTTTGTTTATTTTTCAGATATAAATGCTTAGCCTGTACTG 1402
Db      2393 TCCTCCCTTTGTTTATTTTTCAGATATAAAGTTAAAGCTTAGCCTGTACTG 2452
Qy      1403 AGGCTGTATACAG 1416
Db      2453 AGGCTGTATACAGC 2466

RESULT 5
US-09-439-313-469/C
: Sequence 469, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yuqi
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Relfer, Mark
: APPLICANT: Solk, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: FILE REFERENCE: 210121.427C9
: CURRENT APPLICATION NUMBER: US/09/439,313
: NUMBER OF SEQ ID NOS: 575
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-439-313-469

Query Match      50.7%; Score 1033; DB 4; Length 2229;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1153; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      263 GGTGAGAAATRAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTAAATCG 322
Db      1775 GGTGAGAAATRAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTAAATCG 1716
Qy      323 AGATAATTAACATCACTAGAAAGCAAGATGACAATATATATGCTAAGTAGTGACATGT 382
Db      1715 AGATAATTAACATCACTAGAAAGCAAGATGACAATATATATGCTAAGTAGTGACATGT 1656
Qy      383 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGAGCAAAAGAGACAC 442
Db      1655 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGAGCAAAAGAGACAC 1596
Qy      443 AGAGATCCCTGGGAGAAATGCCGCCATCTTGGGTATCATGATAGCCTGCGCCTGT 502
Db      1595 AGAGATCCCTGGGAGAAATGCCGCCATCTTGGGTATCATGATAGCCTGCGCCTGT 1536
Qy      503 GCCGTGTCCTGGTGTAGAGGAAGACATTAGAAAGATGATGTGTCTTCTTAAGA 562
Db      1535 GCCGTGTCCTGGTGTAGAGGAAGACATTAGAAAGATGATGTGTCTTCTTAAGA 1476
Qy      563 TGGGAGAGAAACAGATCTGTGTGTGATATTTATTTGAACGGGATTACAGATTTGAAT 622
Db      1475 TGGGAGAGAAACAGATCTGTGTGTGATATTTATTTGAACGGGATTACAGATTTGAAT 1416
Qy      623 GAAGTCAAAAGTAGACATTACCAATGAGAGAGAAACAGACAGAGAAATCTTGATGCTT 682
Db      1415 GAAGTCAAAAGTAGACATTACCAATGAGAGAGAAACAGACAGAGAAATCTTGATGCTT 1356
Qy      683 CACAAGACATGCAACAAACAAATGAATGATCTGTGATGACATGAGGACGCAACCTGGGG 742

Db      1355 CACAAGACATGCAACAAACAAATGAATGATCTGTGATGACATGAGGACGCAACCTGGGG 1296
Qy      743 AGAGATTAACACAGGGGAGAGAGGTACAGATTTGCGCCCTGCTGCTTAACCTGCTTC 802
Db      1295 AGAGATTAACACAGGGGAGAGAGGTACAGATTTGCGCCCTGCTGCTTAACCTGCTTC 1236
Qy      803 ATACCAATATCATTTATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC 862
Db      1235 ATACCAATATCATTTATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC 1176
Qy      863 TAGGTTCTCTTGGGGCCAAACATTTCCATATATCCAGCCACACTATTTTAAATTT 922
Db      1175 TAGGTTCTCTTGGGGCCAAACATTTCCATATATCCAGCCACACTATTTTAAATTT 1116
Qy      923 AGTTCCAGATCTGTAGTGTACCTTTCTACACGTAGAAATACATTACTCATTTTCTTC 982
Db      1115 AGTTCCAGATCTGTAGTGTACCTTTCTACACGTAGAAATACATTACTCATTTTCTTC 1056
Qy      983 AAGACCCCTGCTGTGCTGCTTAATATGATGCTGACTGTTTTCCTAAGAGTGTCTG 1042
Db      1055 AAGACCCCTGCTGTGCTGCTTAATATGATGCTGACTGTTTTCCTAAGAGTGTCTG 996
Qy      1043 GCCAGGGGATCTGTGAACAGGCTGGGAGACATCTCAAGATCTTCCAGGGTTATCTTA 1102
Db      995 GCCAGGGGATCTGTGAACAGGCTGGGAGACATCTCAAGATCTTCCAGGGTTATCTTA 936
Qy      1103 CTACACACACAGATGATTTACGAGAGTGAATTTATCAATCAACATCATCTCAGTCT 1162
Db      935 CTACACACACAGATGATTTACGAGAGTGAATTTATCAATCAACATCATCTCAGTCT 876
Qy      1163 TTGCCATFACGAAATTCATTTCCACTTTTGTCCCATCTCTCAAGACCTCAAAATGTCA 1222
Db      875 TTGCCATFACGAAATTCATTTCCACTTTTGTCCCATCTCTCAAGACCTCAAAATGTCA 816
Qy      1223 TTCCATTAATTCACAGATTAATTTTATTTTAACTGGAAATTCATGTTAATG 1282
Db      815 TTCCATTAATTCACAGATTAATTTTATTTTAACTGGAAATTCATGTTAATG 757
Qy      1283 CAGCTATGGGAATTAATTAATATTTGTTTCCAGTGCAGAAAGATGACATAGTCTTTA 1342
Db      756 CAGCTATGGGAATTAATTAATATTTGTTTCCAGTGCAGAAAGATGACATAGTCTTTA 697
Qy      1343 TCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAAGCTTAGCCTGTACTG 1402
Db      696 TCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAAGCTTAGCCTGTACTG 637
Qy      1403 AGGCTGTATACAGC 1416
Db      636 AGGCTGTATACAGC 623

RESULT 6
US-09-352-616A-469/C
: Sequence 469, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yuqi
: APPLICANT: Xu, Jiangchun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: FILE REFERENCE: 210121.427C8
: CURRENT APPLICATION NUMBER: US/09/352,616A
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
```

US-09-352-616a-469

Query Match 50.7%; Score 1033; DB 4; Length 2229;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1155; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 322
 DB 1775 GGTGAGAAATAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 1716
 QY 323 AGATAATTATACATCACTAGAAAGAGAGATGACATATATATGCTTAAGTAGACATGT 382
 DB 1715 AGATAATTATACATCACTAGAAAGAGAGATGACATATATATGCTTAAGTAGACATGT 1656
 QY 383 TTTTGACATTTTCCAGCCCTTTTAAATATCCACACACAGAGAGAGAGAGAGAGAGAGAG 442
 DB 1655 TTTTGACATTTTCCAGCCCTTTTAAATATCCACACACAGAGAGAGAGAGAGAGAGAGAG 1596
 QY 443 AGAGATCCCTGGAGAAATGCCGCCGCATCTTGAGTCATGATGAGCCTGCCCCGT 502
 DB 1595 AGAGATCCCTGGAGAAATGCCGCCGCATCTTGAGTCATGATGAGCCTGCCCCGT 1536
 QY 503 GCGTGCCCGCTGTGAGGAGAGAGATAGAAAGATGATGATGCTGCTTAAGGA 562
 DB 1535 GCGTGCCCGCTGTGAGGAGAGAGATAGAAAGATGATGATGCTGCTTAAGGA 1476
 QY 563 TGGGCAAGAAAGAGATCCTGTTGTGATATTTTGAACGGGATTAAGATTTGAAT 622
 DB 1475 TGGGCAAGAAAGAGATCCTGTTGTGATATTTTGAACGGGATTAAGATTTGAAT 1416
 QY 623 GAAGTCAAAAGTAGACATTACCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 662
 DB 1415 GAAGTCAAAAGTAGACATTACCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1356
 QY 683 CACAAGCATGCAAAACAAAGATGCTGATGATGATGATGATGATGATGATGATGATG 742
 DB 1355 CACAAGCATGCAAAACAAAGATGCTGATGATGATGATGATGATGATGATGATGATG 1296
 QY 743 AGAGATTAACCAAGGAG 802
 DB 1295 AGAGATTAACCAAGGAG 1236
 QY 803 ATTAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTGTTGAATATGATGATG 862
 DB 1235 ATTAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTGTTGAATATGATGATG 1176
 QY 863 TAGGTTCTCTGAGGAG 922
 DB 1175 TAGGTTCTCTGAGGAG 1116
 QY 923 AGTTCCAGATCTGATCTGATCTTCTACCTGATGATGATGATGATGATGATGATG 982
 DB 1115 AGTTCCAGATCTGATCTGATCTTCTACCTGATGATGATGATGATGATGATGATG 1056
 QY 983 AAAGACCTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1042
 DB 1055 AAAGACCTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 996
 QY 1043 GCCCAGGAGATCTGTAAG 1102
 DB 995 GCCCAGGAGATCTGTAAG 936
 QY 1103 CTAGACACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1162
 DB 935 CTAGACACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 876
 QY 1163 TTGCGCATCTGAAATTCATTTCCACTTTTGTGCCATCTCAAGACCTCAAAATGTCA 1222
 DB 875 TTGCGCATCTGAAATTCATTTCCACTTTTGTGCCATCTCAAGACCTCAAAATGTCA 816
 QY 1223 TTGCGCATTAATGACAGAGATTAATTTTAAACCTGAGAGAGAGAGAGAGAGAGAG 1282
 DB 815 TTGCGCATTAATGACAGAGATTAATTTTAAACCTGAGAGAGAGAGAGAGAGAGAG 757

QY 1283 CAGTATGGAAATTAATATACATATTTTGTTCAGATGCAAGAGATGACTAATGCTTTA 1342
 DB 756 CAGTATGGAAATTAATATACATATTTTGTTCAGATGCAAGAGATGACTAATGCTTTA 697
 QY 1343 TCCCTCCCTTTGTTGATTTTTCACATATTAAGTAAATGCTTACCTTGTACTG 1402
 DB 696 TCCCTCCCTTTGTTGATTTTTCACATATTAAGTAAATGCTTACCTTGTACTG 637
 QY 1403 AGCGTATACAGC 1416
 DB 636 AGCGTATACAGC 623

RESULT 7

US-09-439-313-471/c
 ? Sequence 471, Application US/09439313
 ? Patent No. 6329505
 ? GENERAL INFORMATION:
 ? APPLICANT: Xu, Jlangchun
 ? APPLICANT: Dillon, Davin C.
 ? APPLICANT: Mitcham, Jennifer L.
 ? APPLICANT: Harlocker, Susan Louise
 ? APPLICANT: Jiang Yugu
 ? APPLICANT: Reed, Steven G.
 ? APPLICANT: Kalos, Michael
 ? APPLICANT: Fanger, Gary
 ? APPLICANT: Retter, Mark
 ? APPLICANT: Solk, John
 ? APPLICANT: Day, Craig
 ? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 ? FILE REFERENCE: 210121.427C9
 ? CURRENT APPLICATION NUMBER: US/09/439,313
 ? CURRENT FILING DATE: 1999-11-12
 ? NUMBER OF SEQ ID NOS: 575
 ? SOFTWARE: FastSeq for Windows Version 3.0
 ? SEQ ID NO 471
 ? LENGTH: 812
 ? TYPE: DNA
 ? ORGANISM: Homo sapiens
 ? US-09-439-313-471

Query Match 35.3%; Score 720; DB 4; Length 812;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 322
 DB 720 GGTGAGAAATAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 661
 QY 323 AGATAATTATACATCACTAGAAAGAGAGATGACATATATATGCTTAAGTAGACATGT 382
 DB 660 AGATAATTATACATCACTAGAAAGAGAGATGACATATATATGCTTAAGTAGACATGT 601
 QY 383 TTTTGACATTTTCCAGCCCTTTTAAATATCCACACAGAGAGAGAGAGAGAGAGAGAG 442
 DB 600 TTTTGACATTTTCCAGCCCTTTTAAATATCCACACAGAGAGAGAGAGAGAGAGAGAG 541
 QY 443 AGAGATCCCTGGAGAAATGCCCCGCCCATCTTGGGTATGATGATGATGATGATGATG 502
 DB 540 AGAGATCCCTGGAGAAATGCCCCGCCCATCTTGGGTATGATGATGATGATGATGATG 481
 QY 503 GCGTGCCCGCTGTGAGGAG 562
 DB 480 GCGTGCCCGCTGTGAGGAG 421
 QY 563 TGGGCAAGAAAGAGATCCTGTTGTGATATTTTGAACGGGATTAAGATTTGAAT 622
 DB 420 TGGGCAAGAAAGAGATCCTGTTGTGATATTTTGAACGGGATTAAGATTTGAAT 361
 QY 623 GAAGTCAAAAGTAGACATTACCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 682

Db	360	GAAGTCACAAAGTGAGCATTTACCAATTGAGAGGAAAAACAGAGAGAAATCTTGATGGCTT	301
Qy	683	CACAAGCATGCAACAACAAAATGGATTTACTGTATCACATGAGGACGCCAAGCTGGGG	742
Db	300	CACAAGCATGCAACAACAAAATGGAAATCTGTATCACATGAGGCGGCCAACCTGGGG	241
Qy	743	AGGAGATTAACACACGAGGGGACAGAGGTCAGAGTCTGGCCCTGCTCACTAACTGTCGCTTC	802
Db	240	AGGAGATTAACACACGAGGGGACAGAGGTCAGAGTCTGGCCCTGCTGCTAACTGTGCGCTTC	181
Qy	803	ATTAACCAATCATTTATATTTTCTAACCTCAAAACAAAGCTGTTTAATATCTGATCTC	862
Db	180	ATTAACCAATCATTTATATTTTCTAACCTCAAAACAAAGCTGTTTAATATCTGATCTC	121
Qy	863	TACGGTTCCTTGGGGCCCAACATTCCTCATATATCCAGCACACTCTTTTAAATATT	922
Db	120	TACGGTTCCTTGGGGCCCAACATTCCTCATATATCCAGCACACTCTTTTAAATATT	61
Qy	923	AGTTCCCAAGTCTGTACTGTGACCTTTCTACACGTAGAAATTAACATTACTGATTTTGGTC	962
Db	60	AGTTCCCAAGTCTGTACTGTGACCTTTCTACACGTAGAAATTAACATTACTGATTTTTC	1

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RESULT 8
US-09-352-616A-471/c
: Sequence 471, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Xu, Jiangchun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
: FILE REFERENCE: 210121.42768
: CURRENT APPLICATION NUMBER: US/09/352.616A
: CURRENT FILING DATE: 1999-07-13
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 471
: LENGTH: 812
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-352-616A-471

```

Query Match	35.3%	Score 720;	DB 4;	Length 812;
Best Local Similarity	100.0%;	Pred. No. 0;	Mismatches 0;	Indels 0;
Matches 720;	Conservative 0;	0;	Indels 0;	Gaps 0;
Oy	263	GGTGGAATAAGAAAGCGCTGCTGACCTTACCATCTGAGGCGACACATCTGCTGAAATGG	322	
Db	720	GGTGGAATAAGAAAGCGCTGCTGACCTTACCATCTGAGGCGACACATCTGCTGAAATGG	661	
Oy	323	AGATATTTACATCACTATGAAACAGCAAGATGACATATTAATGCTTAAGTAGATCATGT	382	
Db	660	AGATATTTACATCACTATGAAACAGCAAGATGACATATTAATGCTTAAGTAGATCATGT	601	
Oy	383	TTTTGCACATTTCCAGCCCCCTTTAAATTTCCACACACAGAGAACCAAAAAGAAAGAC	442	
Db	600	TTTTGCACATTTCCAGCCCCCTTTAAATTTCCACACACAGAGAACCAAAAAGAAAGAC	541	
Oy	443	AGAGATCCCTGGAGAAATATGCCCGGCCCATCTTGGGGTCAATCGATGAGCTCGCCCTGT	502	
Db	540	AGAGATCCCTGGAGAAATATGCCCGGCCCATCTTGGGGTCAATCGATGAGCTCGCCCTGT	481	
Oy	503	GCTGTGTCCTGTTGTGAGGGAAGACATTAGAAAATGAATGTATGTCTCTTTAAAGGA	562	
Db	480	GCTGTGTCCTGTTGTGAGGGAAGACATTAGAAAATGAATGTATGTCTCTTTAAAGGA	421	
Oy	563	TGGGCAGAAAAACAGATCTCTGTTGGATATTTATTTAAACGGGATTACAAATTTGAAAT	622	
Db	420	TGGGCAGAAAAACAGATCTCTGTTGGATATTTATTTAAACGGGATTACAAATTTGAAAT	361	

OY	623	GAAGTCACAAAGGACATTTACCATTGAGAGAAAACGAGACAAAATCTTGATGGCTT	662
Db	360	GAAGTCACAAAGGACATTTACCATTGAGAGAAAACGAGACAAAATCTTGATGGCTT	301
OY	683	CACAAGACATGCACAACAAACAAATGGAATACGTGATCAGATGAGGCAAGCAACTGGG	742
Db	300	CACAAGACATGCACAACAAACAAATGGAATACGTGATCAGATGAGGCAAGCAACTGGG	241
OY	743	AGGAGATTAACCAAGGGGCGAGAGGTCAGGATTTGCGCCCTCCTCTAAACTGTCGCTTC	802
Db	240	AGGAGATTAACCAAGGGGCGAGAGGTCAGGATTTGCGCCCTCCTCTAAACTGTCGCTTC	181
OY	803	ATAACCAATCATTTTCATATTTCTTAAACCTCAAAAACAAAGCTGTTGTAATTCGATCTC	862
Db	180	ATAACCAATCATTTTCATATTTCTTAAACCTCAAAAACAAAGCTGTTGTAATTCGATCTC	121
OY	863	TACGGTTCCTTCTGGGCCCAACATTCCTCATATATCCAGCACAACCTATTTTAAATTTT	922
Db	120	TACGGTTCCTTCTGGGCCCAACATTCCTCATATATCCAGCACAACCTATTTTAAATTTT	61
OY	923	AGTTCCACAGTCGTCTGTGAACCTTTCACACTTAATAAACAATTACCATTTTCTTC	982
Db	60	AGTTCCACAGTCGTCTGTGAACCTTTCACACTTAATAAACAATTACCATTTTCTTC	1

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RESULT 9
US-09-439-313-313
; Sequence 313 Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, JIangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Matcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yunqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Katos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439, 313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-439-313-313

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	Query Match	9.9%	Pred	201	DB	4:	Length	718;
	Best Local Similarity	99.3%;	Score	No. 6.1e-88;				
	Matches	301;	Conservative	0;	Mismatches	2;	Indels	0;
					Gaps	0;		
OY	263	GGTGGAATAGAAAAGCGCTGTCACCTTACCATTGTGAGGCCACACATCTGCTGAAATGG	322					
Dd	73	GGTGGAATTAAGAAAGCGCTGCTGACTTTACCATTGTGAGGCCACACATCTGCTGAAATGG	132					
OY	323	AGATAATTACATCCTCTGAAACAGCAAGATGACAATTAATGTCTAAGTAGTGCATGT	382					
Dd	133	AGATATATTACATCTACTTGAAACACCAAGATGACATATTAAATGTCTAAGTAGTGCATGT	192					
OY	383	TTTTGCACATTTCCAGCCCCCTTAAATATTCACACACACAGGAGCACAAAAAGAAGCAC	442					

```

-616A-471/c
e 471, Application US/09352616A
NO. 6395278
INFORMATION:
INVENTOR:
INVENTOR: Dillion, Davin C.
INVENTOR: Harlocker, Susan Louise
INVENTOR: Jiang, Yugu
INVENTOR: Xu, Jiangchun
INVENTOR: Mitcham, Jennifer Lynn
OF INVENTION: OF COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
REFERENCE: 210121.427C8
T APPLICATION NUMBER: US/09/352,616A
T FILING DATE: 1999-07-13
OF SEQ ID NOS: 472
RE: FastSeq for Windows Version 3.0
NO 471
H: 812
DNA
ISM: Homo sapiens
-616A-471

batch 35.3%; Score 720; DB 4; Length 812;
Local Similarity 100.0%; Pred. No. 0;
720; Conservative 0; Mismatches 0; Indels 0; Gaps 0

263 GGTGAGAAATTAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 322
720 GGTGAGAAATTAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 661
323 AGATAAATTAACATCATCATAGAAACAGCAAGATGACATATATATGCTTAAGTAGACATGT 382
660 AGATAAATTAACATCATCATAGAAACAGCAAGATGACATATATATGCTTAAGTAGACATGT 601
383 TTTTGGACATTTTCCAGCCCTTTTAATATATCCACACACACAGAAAGCACAAGAGAGCAC 442
600 TTTTGGACATTTTCCAGCCCTTTTAATATATCCACACACACAGAAAGCACAAGAGAGCAC 541
443 AGAGATCCCTGGGGGAATATCCGGGCCCATCTTGGGTATGATGATGAGCTGGCCCTGT 502
540 AGAGATCCCTGGGGGAATATCCGGGCCCATCTTGGGTATGATGATGAGCTGGCCCTGT 481
480 GCGTGGTCCCGCTGTGAGGGAAGAGACATTAGAAAATGAATGTATGTCTCTTAAGAAGA 421
503 GCGTGGTCCCGCTGTGAGGGAAGAGACATTAGAAAATGAATGTATGTCTCTTAAGAAGA 562
480 GCGTGGTCCCGCTGTGAGGGAAGAGACATTAGAAAATGAATGTATGTCTCTTAAGAAGA 421
563 TGGCGAGGAAAACAGATCTCTGTGTGATATTTATTGAAACGGGATTTACAGATTTGAAT 622
120 TGGCGAGGAAAACAGATCTCTGTGTGATATTTATTGAAACGGGATTTACAGATTTGAAT 361

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Db      60 AGTCCCAAGATCTGTACTGTGACCTTTCTACACGTGTAAATAACATTACCTATTTGTC 1
RESULT 9
US-09-439-313-313
: Sequence 313, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang Yuqi
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Retter, Mark
: APPLICANT: Solk, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C9

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: CURRENT FILING DATE: 1999-11-12
: NUMBER OF SEQ ID NOS: 575
: SOFTWARE: FASTSEQ For Windows Version 3.0
: SEQ ID NO 313
: LENGTH: 718
: TYPE: DNA
: ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(718)
: OTHER INFORMATION: n = A,T,C or G
US-09-439-313-313

Query Match          9.9%: Score 201; DB 4; Length 718;
Best Local Similarity 99.3%: Pred. No. 6,1e-88;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Oy      263  GGTGGAATTAAGAAAGCGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATATGG 322
      |||||||
Db       73  GGTGGAATTAAGAAAGCGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATATGG 132

Oy      323  AGATAATTAACATCACTAGTGAACAAGCAAGATGATCAATATTAATGTCTAAGTAGTGCATGT 382
      |||||||
Db      133  AGATAATTAACATCACTAGTGAACAAGCAAGATGATCAATATTAATGTCTAAGTAGTGCATGT 192

Oy      383  TTTTGGACATTTCCAGCCCTTTTAATATCCACACACACAGGAGACACAAAAAGGAGGCAC 442
      |||||||

```



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Db 193 TTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCAAAAGAGACAC 252
QY 443 AGAGATCCCTGGGAGAAATGCCCCGCCATCTTGGGTGATGATGAGCTCGCCCTGT 502
Db 253 AGAGATCCCTGGGAGAAATGCCCCGCCATCTTGGGTGATGATGAGCTCGCCCTGT 312
QY 503 GCCTGTCCTCCGCTTGTGAGGAGAAAGACATTAGAAAATGAATGTGTTCTTAAAGA 562
Db 313 GCCTGNTCCCGCTTGTGAGGAGAAAGACATTAGAAAATGAATGTGTTCTTAAAGA 372
QY 563 TGG 565
Db 373 TGG 375

RESULT 10
US-09-352-616A-313
; Sequence 313, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-313

Query Match 9.9%; Score 201; DB 4; Length 718;
Best Local Similarity 99.3%; Pred. No. 6.1e-88;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 263 GGTGAGAAATTAAGAAAGCGCTGACTTTACATCTGAGGCCACACATCGTGAATGG 322
Db 73 GGTGAGAAATTAAGAAAGCGCTGACTTTACATCTGAGGCCACACATCTGGAATGG 132
QY 323 AGATAATTAACATCACTAGAAACAGCAGATGACATATATATCTTAAGTAGACATGT 382
Db 133 AGATAATTAACATCACTAGAAACAGCAGATGACATATATATCTTAAGTAGACATGT 192
QY 383 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAGAGACAC 442
Db 193 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAGAGACAC 252
QY 443 AGAGATCCCTGGGAGAAATGCCCCGCCATCTTGGGTGATGATGAGCTCGCCCTGT 502
Db 253 AGAGATCCCTGGGAGAAATGCCCCGCCATCTTGGGTGATGATGAGCTCGCCCTGT 312
QY 503 GCCTGTCCTCCGCTTGTGAGGAGAAAGACATTAGAAAATGAATGTGTTCTTAAAGA 562
Db 313 GCCTGNTCCCGCTTGTGAGGAGAAAGACATTAGAAAATGAATGTGTTCTTAAAGA 372
QY 563 TGG 565
Db 373 TGG 375

RESULT 11
US-09-232-149A-313
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; Sequence 313, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-313

Query Match 9.9%; Score 201; DB 4; Length 718;
Best Local Similarity 99.3%; Pred. No. 6.1e-88;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 263 GGTGAGAAATTAAGAAAGCGCTGACTTTACATCTGAGGCCACACATCGTGAATGG 322
Db 73 GGTGAGAAATTAAGAAAGCGCTGACTTTACATCTGAGGCCACACATCTGGAATGG 132
QY 323 AGATAATTAACATCACTAGAAACAGCAGATGACATATATATCTTAAGTAGACATGT 382
Db 133 AGATAATTAACATCACTAGAAACAGCAGATGACATATATATCTTAAGTAGACATGT 192
QY 383 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAGAGACAC 442
Db 193 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAGAGACAC 252
QY 443 AGAGATCCCTGGGAGAAATGCCCCGCCATCTTGGGTGATGATGAGCTCGCCCTGT 502
Db 253 AGAGATCCCTGGGAGAAATGCCCCGCCATCTTGGGTGATGATGAGCTCGCCCTGT 312
QY 503 GCCTGTCCTCCGCTTGTGAGGAGAAAGACATTAGAAAATGAATGTGTTCTTAAAGA 562
Db 313 GCCTGNTCCCGCTTGTGAGGAGAAAGACATTAGAAAATGAATGTGTTCTTAAAGA 372
QY 563 TGG 565
Db 373 TGG 375

RESULT 12
US-09-439-313-287/C
; Sequence 287, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retler, Mark
; APPLICANT: Solik, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
```



```
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL-genes Version 1.0
; SEQ ID NO 791
; LENGTH: 1379
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (109)..(789)
US-09-620-312D-791
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Query Match 1.3%; Score 26; DB 4; Length 1379;
Best Local Similarity 100.0%; Pred. No. 0.0065;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1142 TCACATCATCCCTGCTTTGCC 1167
DB 335 TCACATCATCCCTGCTTTGCC 360
```

RESULT 16

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US-09-620-312D-788
; Sequence 788, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyang
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Mehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL-genes Version 1.0
; SEQ ID NO 788
; LENGTH: 1462
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (109)..(915)
US-09-620-312D-788
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Query Match 1.3%; Score 26; DB 4; Length 1462;
Best Local Similarity 100.0%; Pred. No. 0.0065;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1142 TCACATCATCCCTGCTTTGCC 1167
DB 335 TCACATCATCCCTGCTTTGCC 360
```

```
RESULT 17
US-09-620-312D-789
```

```
; Sequence 789, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyang
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Mehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL-genes Version 1.0
; SEQ ID NO 789
; LENGTH: 1519
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (109)..(972)
US-09-620-312D-789
```

```
Query Match 1.3%; Score 26; DB 4; Length 1519;
Best Local Similarity 100.0%; Pred. No. 0.0065;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1142 TCACATCATCCCTGCTTTGCC 1167
DB 392 TCACATCATCCCTGCTTTGCC 417
```

```
RESULT 18
US-08-916-421B-1
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bull et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methano
; Patent No. 6503729
; FILE REFERENCE: PB275
; CURRENT APPLICATION NUMBER: US/08/916,421B
; CURRENT FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/024,428
; PRIOR FILING DATE: 1996-08-22
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1664976
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (28222)..(28222)
; OTHER INFORMATION: n equals a, t, c, or g
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NAME/KEY: misc_feature
LOCATION: (28257)..(28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84773)..(84773)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84808)..(84808)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84812)..(84812)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98159)..(98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98239)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98266)..(98266)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98343)..(98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (103998)..(103998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (148948)..(148948)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (163385)..(163385)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191989)..(191989)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231980)..(231980)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234187)..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309398)..(309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309418)..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226)..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559167)..(559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241)..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657203)..(657203)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619)..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1068430)..(1068430)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1313224)..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1603734)..(1603734)
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1664854)..(1664855)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1

Query Match 1.0%; Score 20; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 4.8;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 CACTCATTTTAAATATTAG 924
DB 1520938 CACTCATTTTAAATATTAG 1520957

RESULT 19
US-08-450-834-3/c
Sequence 3, Application US/08450834
Patent No. 5773705
GENERAL INFORMATION:
APPLICANT: Vierstra, Richard D
APPLICANT: Hondred, David
APPLICANT: Callis, Judy
TITLE OF INVENTION: Ubiquitin Fusion Protein System for
TITLE OF INVENTION: Protein Production in Plants
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Charles & Brady
STREET: P.O. Box 2113
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296, 92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 161 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: CBO-BT
FEATURE:
NAME/KEY: misc_feature
LOCATION: 4..9
OTHER INFORMATION: /function="Hind III restriction
FEATURE:
NAME/KEY: misc_feature

LOCATION: 47..52
OTHER INFORMATION: /function="Bgl II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 58..64
OTHER INFORMATION: /product="Eae I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 110..116
OTHER INFORMATION: /function="Sac II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 146..152
OTHER INFORMATION: /function="Nsi I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 153..158
OTHER INFORMATION: /function="Sal I restriction site"
US-08-450-834-3

Query Match 0.9%; Score 19; DB 1; Length 161;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 AGGACATCTGCATGCTGG 77
DB 56 AGGACATCTGCATGCTGG 38

RESULT 20
US-09-107-532A-2263/c
Sequence 2263, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Arinifello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 2263:
SEQUENCE CHARACTERISTICS:
LENGTH: 948 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc.feature
LOCATION: (B) LOCATION 1...948
SEQUENCE DESCRIPTION: SEQ ID NO: 2263:
US-09-107-532a-2263

Query Match 0.9%; Score 19; DB 4; Length 948;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 126 CAATGACACCAAGATATA 144
|||||
DB 538 CAATGACACCAAGATATA 520

RESULT 21
US-09-791-211-10
Sequence 10, Application US/09791211
Patent No. 6448080
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
TITLE OF INVENTION: ANTISENSE MODULATION OF WRN EXPRESSION
FILE REFERENCE: RTS-0205
CURRENT APPLICATION NUMBER: US/09/791,211
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 10
LENGTH: 98844
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: 24962
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 64383
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65468
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65469
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65470
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65471
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 87130
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 89049
OTHER INFORMATION: unknown
OTHER INFORMATION: unknown
US-09-791-211-10

Query Match 0.9%; Score 19; DB 4; Length 98844;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1951 GTTGTCTCTGTACTTAAT 1969
|||||
DB 61321 GTTGTCTCTGTACTTAAT 61339

RESULT 22
US-09-599-360B-59
Sequence 59, Application US/09599360B
Patent No. 6548633
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Bouguetelert, L.
TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
FILE REFERENCE: GENSET.050CP3
CURRENT APPLICATION NUMBER: US/09/599,360B
CURRENT FILING DATE: 2000-06-21
PRIOR APPLICATION NUMBER: 60/113,686
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/141,032
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 09/469,099
PRIOR FILING DATE: 1999-12-21
SOFTWARE: Patent.pm
NUMBER OF SEQ ID NOS: 123
SEQ ID NO 59
LENGTH: 1324
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: 129..452
NAME/KEY: sig_peptide
LOCATION: 129..212
OTHER INFORMATION: Von Heijne matrix
OTHER INFORMATION: score 5.20
OTHER INFORMATION: seq LDIIVSFVAVSS/ST
NAME/KEY: polyA_signal
LOCATION: 1290..1295
NAME/KEY: polyA_site
LOCATION: 1309..1324
NAME/KEY: misc.feature
LOCATION: 888,1080
OTHER INFORMATION: n-a, g, c or t
US-09-599-360B-59

Query Match 0.9%; Score 18; DB 4; Length 1324;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 115 ACTAGTCTTCATGAA 132
|||||
DB 1092 ACTAGTCTTCATGAA 1109

RESULT 23
US-08-102-863-10/c
Sequence 10, Application US/08102863
Patent No. 5465590
GENERAL INFORMATION:
APPLICANT: SARIASANI, SIMA
TITLE OF INVENTION: CONSTITUTIVE
TITLE OF INVENTION: EXPRESSION OF P450SOY
TITLE OF INVENTION: AND FERREDOXIN-SOY IN
TITLE OF INVENTION: STREPTOMYCES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS
ADDRESSEE: AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: USA
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0,
SOFTWARE: Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/102,863
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/807,001
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: GALLEGOS, R. THOMAS
REGISTRATION NUMBER: 32,692
REFERENCE/DOCKET NUMBER: CR-9000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 302-892-7342
TELEFAX: 302-892-7949
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1735 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-102-863-10

Query Match 0.9%; Score 18; DB 1; Length 1735;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 193 GATCACCATCGACGGCAC 210
Db 681 GATCACCATCGACGGCAC 664

RESULT 24

PCT-US92-10885-10/C
Sequence 10, Application PC/TUS9210885
GENERAL INFORMATION:
APPLICANT: SARIASLANI, SIMA
TITLE OF INVENTION: CONSTITUTIVE
TITLE OF INVENTION: EXPRESSION OF P450SOX
TITLE OF INVENTION: AND FERREDOXIN-SOT IN
TITLE OF INVENTION: STREPTOMYCINS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS
ADDRESSEE: AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: USA
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch,
MEDIUM TYPE: 1.0 MB
COMPUTER: Macintosh
OPERATING SYSTEM: Macintosh System, 6.0
SOFTWARE: Microsoft Word, 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/10885
FILING DATE: 19921216
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: GALLEGOS, R. THOMAS
REGISTRATION NUMBER: 32,692
REFERENCE/DOCKET NUMBER: CR-9000-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 302-892-7342
TELEFAX: 302-892-7949
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1735 base pairs
TYPE: NUCLEIC ACID

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
PCT-US92-10885-10

Query Match 0.9%; Score 18; DB 5; Length 1735;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 193 GATCACCATCGACGGCAC 210
Db 681 GATCACCATCGACGGCAC 664

RESULT 25

US-08-663-112-1/C
Sequence 1, Application US/08663112
Patent No. 5849503
GENERAL INFORMATION:
APPLICANT: WAGATSUMA, Masako
APPLICANT: KURITA, NO. 58495031KO
TITLE OF INVENTION: MUTANT PROTEINS OF HUMAN DNA
TITLE OF INVENTION: TOPOISOMERASE I
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner L.L.P.
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/663,112
FILING DATE: 26-NOV-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elinaudi, Carolyn P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 06609.1488-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3645 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 212..2506
OTHER INFORMATION: /label= Ffmutant
US-08-663-112-1

Query Match 0.9%; Score 18; DB 2; Length 3645;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1139 TAATCAACATCATCTCA 1156
Db 651 TAATCAACATCATCTCA 634

RESULT 26
US-08-944-449-8
Sequence 8, Application US/08944449

Patent No. 5985613
GENERAL INFORMATION:
APPLICANT: KURTH, REINHARD
APPLICANT: BAIER, MICHAEL
APPLICANT: METZNER, KARIN
TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of
FILE REFERENCE: 8341-7065
CURRENT APPLICATION NUMBER: US/08/944,449
CURRENT FILING DATE: 1997-10-06
EARLIER APPLICATION NUMBER: EP 95113013.2
EARLIER FILING DATE: 1995-08-18
EARLIER APPLICATION NUMBER: DE 195 13 152.5
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 8
LENGTH: 4527
TYPE: DNA
ORGANISM: Human immunodeficiency virus type 1
US-08-944-449-8

Query Match 0.9%; Score 18; DB 2; Length 4527;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 48 CGAGGAGACCAGGAGA 65
|||||
Db 489 CGAGGAGACCAGGAGA 506

RESULT 27
US-09-353-362-8
Sequence 8, Application US/09353362
Patent No. 6383739
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of viruses,
NUMBER OF SEQUENCES: 8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30B (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/353,362
FILING DATE: 15-JUL-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 195 13 152.5
FILING DATE: 07-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95113013.2
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KLESNER, Sharon N.
REGISTRATION NUMBER: 36,335
REFERENCE/DOCKET NUMBER: P8341-9012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-5000
TELEFAX: (202) 638-4810
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 4527 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-09-353-362-8

Query Match 0.9%; Score 18; DB 4; Length 4527;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 48 CGAGGAGACCAGGAGA 65
|||||
Db 489 CGAGGAGACCAGGAGA 506

RESULT 28
US-09-077-098A-1
Sequence 1, Application US/09077098A
Patent No. 6544519
GENERAL INFORMATION:
APPLICANT: TOKUNAGA, Ei-ji
SAKAGUCHI, Masashi
MATSUO, Kazuo
HAMADA, Fukuaburo
TOKITOSHI, Sachio
TITLE OF INVENTION: NOVEL POLYPEPTIDE FROM HAEMOPHILUS
PARAGALLINARUM AND PROCESS FOR PREPARING THE SAME
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROMDY AND NETMARK
STREET: 624 Ninth Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent ln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,098A
FILING DATE: 19-May-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP97/03222
FILING DATE: 12-SEP-1997
APPLICATION NUMBER: JP 27,148/1996
FILING DATE: 19-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: KORNBAU, Anne M.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: TOKUNAGA-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8930 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
FEATURE:
NAME/KEY: CDS
LOCATION: 8374..8929
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-077-098A-1

Query Match 0.9%; Score 18; DB 4; Length 8930;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 904 ACACTCATTTTAAATAT 921
|||||
Db 207 ACACTCATTTTAAATAT 224

```
RESULT 29
US-09-679-299A-18/c
; Sequence 18, Application US/09679299A
; Patent No. 6566135
; GENERAL INFORMATION:
; APPLICANT: Vickie L. Brown-Driver
; APPLICANT: Hong Zhang
; APPLICANT: Andrew T. Walt
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
; FILE REFERENCE: RTS-0187
; CURRENT APPLICATION NUMBER: US/09/679,299A
; CURRENT FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 18
; LENGTH: 17000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-299A-18

Query Match
Best Local Similarity 100.0%; Score 18; DB 4; Length 17000;
Pred. No. 48;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 604 GGGATTACAGATTGAAA 621
DB 9511 GGGATTACAGATTGAAA 9494

RESULT 30
US-09-268-992-7/c
; Sequence 7, Application US/09268992
; Patent No. 6342351
; GENERAL INFORMATION:
; APPLICANT: Chen, H.
; APPLICANT: Freimer, N.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: AND TREATING CHROMOSOME-18p RELATED DISORDERS
; FILE REFERENCE: 7853-138
; CURRENT APPLICATION NUMBER: US/09/268,992
; CURRENT FILING DATE: 1999-03-16
; EARLIER APPLICATION NUMBER: 09/236,134
; EARLIER FILING DATE: 1999-01-22
; EARLIER APPLICATION NUMBER: 60/106,056
; EARLIER FILING DATE: 1998-10-28
; EARLIER APPLICATION NUMBER: 60/088,312
; EARLIER FILING DATE: 1998-06-05
; EARLIER APPLICATION NUMBER: 60/078,044
; EARLIER FILING DATE: 1998-03-16
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 72604
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: all n positions
; OTHER INFORMATION: n-a, c, g, or t
US-09-268-992-7

Query Match
Best Local Similarity 100.0%; Score 18; DB 4; Length 72604;
Pred. No. 47;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1863 CCCAAGGTACCTTTAT 1880
DB 54428 CCCAAGGTACCTTTAT 54411

RESULT 31
US-09-657-474-7/c
; Sequence 7, Application US/09657474
```

```
; Patent No. 6399762
; GENERAL INFORMATION:
; APPLICANT: Chen, H.
; APPLICANT: Freimer, N.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: AND TREATING CHROMOSOME-18p RELATED DISORDERS
; FILE REFERENCE: 7853-138
; CURRENT APPLICATION NUMBER: US/09/657,474
; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 09/268,992
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: 09/236,134
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 60/106,056
; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/088,312
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/078,044
; PRIOR FILING DATE: 1998-03-16
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 72604
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: all n positions
; OTHER INFORMATION: n-a, c, g, or t
US-09-657-474-7

Query Match
Best Local Similarity 100.0%; Score 18; DB 4; Length 72604;
Pred. No. 47;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY 1863 CCCAAGGTACCTTTAT 1880
DB 54428 CCCAAGGTACCTTTAT 54411

RESULT 32
US-09-798-096-10/c
; Sequence 10, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Walt
; TITLE OF INVENTION: ANTISENSE MODULATION OF RECOL2 EXPRESSION
; FILE REFERENCE: RTS-0207
; CURRENT APPLICATION NUMBER: US/09/798,096
; CURRENT FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 10
; LENGTH: 99500
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: n-a, c, g, or t
US-09-798-096-10

Query Match
Best Local Similarity 100.0%; Score 18; DB 4; Length 99500;
Pred. No. 47;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1716 AGAGGAATGTTATGGG 1733
DB 65771 AGAGGAATGTTATGGG 65754

RESULT 33
US-08-392-678-11
; Sequence 11, Application US/08392678
; Patent No. 5552281
; GENERAL INFORMATION:
```



```

: APPLICANT: Stashenko, Phillip
: APPLICANT: Li, Yi-Ping
: APPLICANT: Mucherpfenig, Anne L.
: TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND
: TITLE OF INVENTION: -RELATED GENES
: NUMBER OF SEQUENCES: 34
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Millitia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02173
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentln Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/392,678
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/045,270
: FILING DATE: 06 APR 1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 157 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-392-678-11

Query Match      0.8%; Score 17; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1240 GATTAACTTTT TTTT 1256
Db      118 GATTAACTTTT TTTT 134

RESULT 34
: US-08-457-304A-11
: Sequence 11, Application US/08457304A
: Patent No. 5624801
: GENERAL INFORMATION:
: APPLICANT: Stashenko, Phillip
: APPLICANT: Li, Yi-Ping
: APPLICANT: Mucherpfenig, Anne L.
: TITLE OF INVENTION: METHODS OF IDENTIFYING HUMAN OSTEOCLAST-SPECIFIC
: TITLE OF INVENTION: AND -RELATED GENES (as amended)
: NUMBER OF SEQUENCES: 34
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Millitia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02173
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentln Release #1.0, Version #1.30
```

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: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/457,304A
: FILING DATE: 01-JUNE-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/392,678
: FILING DATE: 23-FEB-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/045,270
: FILING DATE: 06-APR-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02FV
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 157 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-457-304A-11

Query Match      0.8%; Score 17; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1240 GATTAACTTTT TTTT 1256
Db      118 GATTAACTTTT TTTT 134

RESULT 35
: US-08-456-701A-11
: Sequence 11, Application US/08456701A
: Patent No. 5656728
: GENERAL INFORMATION:
: APPLICANT: Stashenko, Phillip
: APPLICANT: Li, Yi-Ping
: APPLICANT: Mucherpfenig, Anne L.
: TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND -RELATED GENES
: NUMBER OF SEQUENCES: 34
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Millitia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02173
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentln Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/456,701A
: FILING DATE: 01-JUN-1995
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/392,678
: FILING DATE: 23-FEB-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02FV
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
```

LENGTH: 157 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-456-701a-11

Query Match 0.8%; Score 17; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1240 GATTACTTTT 1256
DB 118 GATTACTTTT 134

RESULT 36
US-08-684-932A-11

; Sequence 11, Application US/08684932A
; Patent No. 6403304
; GENERAL INFORMATION:
; APPLICANT: Stashenko, Philip
; APPLICANT: Li, Yi-Ping
; TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND -RELATED
; TITLE OF INVENTION: DNA SEQUENCES
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/684,932A
; FILING DATE: 19-JUL-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: FDC92-02FM
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEO ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 157 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-684-932A-11

Query Match 0.8%; Score 17; DB 4; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1240 GATTACTTTT 1256
DB 118 GATTACTTTT 134

RESULT 37
US-09-328-352-2225/C
; Sequence 2225, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:

; APPLICANT: Gary L. Bretton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-003A
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2225
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2225

Query Match 0.8%; Score 17; DB 4; Length 426;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1181 ATTCCACCTTTGTGC 1197
DB 263 ATTCCACCTTTGTGC 247

RESULT 38
US-09-364-206-25

; Sequence 25, Application US/09364206
; Patent No. 6475752
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Tang, Y. Tom
; APPLICANT: Baugh, Mariah R.
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: Mammalian Imidazoline Receptor
; FILE REFERENCE: PC-0006 US
; CURRENT APPLICATION NUMBER: US/09/364,206
; CURRENT FILING DATE: 1999-07-30
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 461,517,526,535,536,561
; OTHER INFORMATION: a or g or c or t, unknown, or other
; FEATURE:
; NAME/KEY:
; OTHER INFORMATION: 1886951F6
; PUBLICATION INFORMATION:
; US-09-364-206-25

Query Match 0.8%; Score 17; DB 4; Length 590;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 CTGCATCAGAAAAACA 22
DB 118 CTGCATCAGAAAAACA 134

RESULT 39
US-08-454-115-1/C
; Sequence 1, Application US/08454115
; Patent No. 5866782
; GENERAL INFORMATION:
; APPLICANT: MATI IWABUCHI et al.
; TITLE OF INVENTION: A GENE WHICH DETERMINES CYTOPLASMIC
; TITLE OF INVENTION: STERILITY AND A METHOD OF PRODUCING HYBRID PLANTS USING SAI
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington

STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/454,115
FILING DATE: July 12, 1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 659 bases
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
ORGANISM: Rhabdus salivus
STRAIN: Kosena radish
ORGANELLE: mitochondria
US-08-454-115-1

Query Match 0.8%; Score 17; DB 2; Length 659;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1166 CCCATCTGTAATTCAT 1182
|||||
DB 365 CCCATCTGTAATTCAT 349

RESULT 40
US-08-450-834-5/c
Sequence 5, Application US/08450834
Patent No. 5773705
GENERAL INFORMATION:
APPLICANT: Vierstra, Richard D
APPLICANT: Hondred, David
TITLE OF INVENTION: Ubiquitin Fusion Protein System for
TITLE OF INVENTION: Protein Production in Plants
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: P.O. Box 2113
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: 35S/AMV/UBQ11/UBQ-GUS
FEATURE:
NAME/KEY: CDS
LOCATION: 503..730
FEATURE:
NAME/KEY: promoter
LOCATION: 1..502
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LOCATION: 1..6
OTHER INFORMATION: /function= "Eco RI restriction
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LOCATION: 7..12
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OTHER INFORMATION: /function= "Kpn I restriction site"
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OTHER INFORMATION: /function= "Apa I restriction site"
FEATURE:
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LOCATION: 464..469
OTHER INFORMATION: /function= "Hind III restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 720..726
OTHER INFORMATION: /function= "Sac II restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 819..825
OTHER INFORMATION: /function= "Bcl I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 826..831
OTHER INFORMATION: /function= "Xba I restriction site"
US-08-450-834-5

Query Match 0.8%; Score 17; DB 1; Length 831;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 61 GAAGATCGCATGCTGG 77
|||||
DB 514 GAAGATCGCATGCTGG 498

RESULT 41

US-09-134-001C-982
; Sequence 982, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/035,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 982
; LENGTH: 981
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-982

Query Match 0.8%; Score 17; DB 4; Length 981;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 1964 GTTAATTGAAAGAAATA 1980
DB 615 GTTAATTGAAAGAAATA 631

RESULT 42
US-09-328-475C-104/C
; Sequence 104, Application US/09328475C
; Patent No. 6476207
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jimmy
; APPLICANT: Astel, Jon H.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Endege, Wilson O.
; APPLICANT: Ford, Donna M.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; APPLICANT: Steinmann, Kathleen E.
; TITLE OF INVENTION: GENES AND GENE EXPRESSION PRODUCTS THAT
; FILE REFERENCE: 1532.002/200130.463
; CURRENT APPLICATION NUMBER: US/09/328,475C
; CURRENT FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 341
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 104
; LENGTH: 1017
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1017)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-475C-104

Query Match 0.8%; Score 17; DB 4; Length 1017;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 701 CAAATGGAATGATGTG 717
DB 170 CAAATGGAATGATGTG 154

RESULT 43
US-08-454-115-4/C
; Sequence 4, Application US/08454115
; Patent No. 5866782

; GENERAL INFORMATION:
; APPLICANT: Mari IWABUCHI et al.
; TITLE OF INVENTION: A GENE WHICH DETERMINES CYTOPLASMIC
; TITLE OF INVENTION: STERILITY AND A METHOD OF PRODUCING HYBRID PLANTS USING SAI
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,115
; FILING DATE: July 12, 1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1242 bases
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Brassica napus
; STRAIN: SW18
; ORGANELLE: mitochondria
US-08-454-115-4

Query Match 0.8%; Score 17; DB 2; Length 1242;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1166 CCCATCTGAAATTCAT 1182
DB 365 CCCATCTGAAATTCAT 349

RESULT 44
US-08-313-274-1/C
; Sequence 1, Application US/08313274
; Patent No. 5595902
; GENERAL INFORMATION:
; APPLICANT: BIDEN, Trevor J.
; APPLICANT: SELBIE, Lisa
; TITLE OF INVENTION: Protein Kinase C (Iota)
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg Ernst & Kurz
; STREET: Suite 701-E, 555 Thirteenth St., N.W
; CITY: Washington
; STATE: D. C.
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,274
; FILING DATE: 02-DEC-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU92/00052
; FILING DATE: 04-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: WALKER, Barbara W.
; REGISTRATION NUMBER: 35,400
; REFERENCE/DOCKET NUMBER: 1871-111A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)783-6040
; TELEFAX: (202)783-6031
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2196 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 265..2025
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US-08-313-274-1

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Query Match

Best Local Similarity 100.0%; Score 17; DB 1; Length 2196;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1878 TATCCATTTCATGGTGA 1894

Db 450 TATCCATTTCATGGTGA 434

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RESULT 45
US-09-228-986-1
; Sequence 1, Application US/09228986
; Patent No. 6359198
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Niels
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
; FILE REFERENCE: 11000/1020
; CURRENT APPLICATION NUMBER: US/09/228,986
; CURRENT FILING DATE: 1999-01-12
; NUMBER OF SEQ ID NOS: 130
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2389
; TYPE: DNA
; ORGANISM: Pinus radiata
;
US-09-228-986-1

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Query Match

Best Local Similarity 100.0%; Score 17; DB 4; Length 2389;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1261 TGAAGAAATCAATGTT 1277

Db 690 TGAAGAAATCAATGTT 706

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(without alignments)
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Title: US-09-402-713a-2

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6: /cgn2_6/ptodata/1/ina/backfillseq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

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4	51	100.0	2229	4	US-09-352-616A-469
5	51	100.0	2426	4	US-09-439-313-470
6	51	100.0	2426	4	US-09-352-616A-470
7	51	100.0	3112	4	US-09-439-313-468
8	51	100.0	3112	4	US-09-352-616A-468
9	43	84.3	718	4	US-09-439-313-313
10	43	84.3	718	4	US-09-352-616A-313
11	43	84.3	718	4	US-09-232-149A-313
12	8	15.7	30001	1	US-08-125-468-1

13	8	15.7	30001	2	US-08-474-933-1	Sequence 1, Appl1
14	7	13.7	490	4	US-09-495-050A-219	Sequence 219, App
15	7	13.7	547	4	US-09-702-705-65	Sequence 65, Appl
16	7	13.7	547	4	US-09-736-457-65	Sequence 65, Appl
17	7	13.7	588	3	US-09-129-030-27	Sequence 27, Appl
18	7	13.7	745	4	US-09-581-001B-20	Sequence 20, Appl
19	7	13.7	1335	4	US-09-107-532A-298	Sequence 298, App
20	7	13.7	1376	2	US-08-868-288A-2	Sequence 2, Appl1
21	7	13.7	1376	3	US-09-235-373-2	Sequence 2, Appl1
22	7	13.7	1376	3	US-09-388-993-2	Sequence 2, Appl1
23	7	13.7	1467	3	US-09-252-991A-1331	Sequence 1331, Ap
24	7	13.7	1578	3	US-09-044-404A-1	Sequence 1, Appl1
25	7	13.7	1578	4	US-09-586-924-1	Sequence 1, Appl1
26	7	13.7	1621	4	US-09-996-243-147	Sequence 147, App
27	7	13.7	2163	4	US-09-328-332-639	Sequence 639, App
28	7	13.7	2268	4	US-09-620-312D-909	Sequence 909, App
29	7	13.7	2329	4	US-09-411-977-1	Sequence 1, Appl1
30	7	13.7	2437	1	US-07-795-859B-5	Sequence 5, Appl1
31	7	13.7	2437	1	US-08-457-616-5	Sequence 5, Appl1
32	7	13.7	2437	4	US-09-235-538-1	Sequence 1, Appl1
33	7	13.7	2538	4	US-09-252-981A-1285	Sequence 1285, Ap
34	7	13.7	2571	4	US-09-252-991A-1279	Sequence 1279, Ap
35	7	13.7	2600	1	US-08-147-949A-1	Sequence 1, Appl1
36	7	13.7	2798	4	US-09-484-970B-90	Sequence 90, Appl1
37	7	13.7	3023	4	US-09-900-926-4	Sequence 4, Appl1
38	7	13.7	3066	3	US-09-086-912-1	Sequence 1, Appl1
39	7	13.7	3066	4	US-09-203-453-1	Sequence 1, Appl1
40	7	13.7	3066	4	US-09-900-236-1	Sequence 255, Appl
41	7	13.7	3218	4	US-09-221-017B-255	Sequence 70, Appl
42	7	13.7	13188	4	US-08-961-527-10	Sequence 10, Appl
43	7	13.7	13188	4	US-09-215-654-19	Sequence 19, Appl
44	7	13.7	13188	4	US-09-738-894A-3	Sequence 3, Appl1
45	7	13.7	36651	4	US-09-964-469-3	Sequence 3, Appl1
46	7	13.7	36651	4	US-09-251-645-11	Sequence 11, Appl
47	7	13.7	51719	4	US-09-918-666-2	Sequence 2, Appl1
48	7	13.7	52139	4	US-09-918-666-1	Sequence 16, Appl
49	7	13.7	152331	3	US-09-128-155-17	Sequence 17, Appl
50	7	13.7	176373	3	US-09-877-177A-10	Sequence 10, Appl
51	7	13.7	197496	4	US-08-916-421B-1	Sequence 1, Appl1
52	7	13.7	164996	4	US-09-557-884-1	Sequence 1, Appl1
53	7	13.7	1830121	4	US-09-643-990A-1	Sequence 1, Appl1
54	7	13.7	1830121	4	US-09-585-174-66	Sequence 66, Appl
55	6	11.8	22	4	US-08-564-109C-10	Sequence 10, Appl
56	6	11.8	41	3	US-08-746-257A-24	Sequence 24, Appl
57	6	11.8	47	3	US-09-316-080-7	Sequence 7, Appl1
58	6	11.8	47	4	US-09-534-407-8	Sequence 8, Appl1
59	6	11.8	47	4	US-09-434-650-4	Sequence 4, Appl1
60	6	11.8	47	4	US-09-511-964-4	Sequence 4, Appl1
61	6	11.8	47	4	US-09-437-687A-4	Sequence 4, Appl1
62	6	11.8	47	4	US-09-007-288E-99	Sequence 99, Appl
63	6	11.8	47	4	US-09-999-8-17B-8	Sequence 8, Appl1
64	6	11.8	48	2	US-08-746-203-16	Sequence 26, Appl
65	6	11.8	48	2	US-08-171-389-545	Sequence 545, App
66	6	11.8	50	1	US-08-123-936-545	Sequence 545, App
67	6	11.8	50	1	US-08-475-228A-545	Sequence 545, App
68	6	11.8	50	3	US-08-482-080A-545	Sequence 545, App
69	6	11.8	50	4	US-09-354-947-545	Sequence 545, App
70	6	11.8	50	4	PCT-US93-1288B-545	Sequence 15, Appl
71	6	11.8	52	3	US-09-432-335-15	Sequence 15, Appl
72	6	11.8	52	3	US-09-614-022-15	Sequence 15, Appl
73	6	11.8	52	3	US-09-415-522-19	Sequence 19, Appl
74	6	11.8	65	3	US-08-434-001-181	Sequence 181, App
75	6	11.8	70	1	US-08-433-585-181	Sequence 181, App
76	6	11.8	70	1	US-08-434-425-181	Sequence 181, App
77	6	11.8	70	2	US-08-437-667-181	Sequence 181, App
78	6	11.8	70	2	US-08-945-995-181	Sequence 181, App
79	6	11.8	70	3	US-09-396-002A-181	Sequence 181, App
80	6	11.8	70	4	PCT-US96-06060-181	Sequence 181, App
81	6	11.8	86	3	US-08-687-421-376	Sequence 376, App
82	6	11.8				
83	6	11.8				
84	6	11.8				
85	6	11.8				

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C 86 6 11.8 104 3 US-08-943-731-93 Sequence 93, Appl
C 87 6 11.8 117 4 US-09-313-294A-3997 Sequence 3997, Ap
88 6 11.8 147 3 US-09-130-663-16 Sequence 16, Appl
89 6 11.8 147 3 US-09-130-663-24 Sequence 24, Appl
90 6 11.8 147 3 US-09-432-335-16 Sequence 16, Appl
91 6 11.8 147 3 US-09-432-335-24 Sequence 16, Appl
92 6 11.8 147 4 US-09-614-022-16 Sequence 16, Appl
93 6 11.8 147 4 US-09-614-022-24 Sequence 16, Appl
94 6 11.8 155 3 US-08-650-275-7 Sequence 7, Appl
95 6 11.8 155 3 US-09-181-318-7 Sequence 7, Appl
96 6 11.8 158 3 US-08-943-731-13 Sequence 13, Appl
C 97 6 11.8 189 4 US-09-702-705-1608 Sequence 1608, Ap
C 98 6 11.8 189 4 US-09-736-457-1608 Sequence 1608, Ap
99 6 11.8 198 4 US-09-252-991A-4681 Sequence 4681, Ap
100 6 11.8 218 1 US-08-650-275-23 Sequence 23, Appl
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ALIGNMENTS

RESULT 1
US-09-439-313-471/c
; Sequence 471, Application US/09439313

```
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471
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Alignment Scores:
Pred. No.: 1.59e-44 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-439-313-471 (1-812)

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OY 1 MetPheLeuHisIleSerSerProPheIleTyProHisThrGlnGluAlaGlnIleGlu 20
DB 604 ATGTTTTCACATTTCCAGCCCTTAATATCCACACACAGGAGGACACAAAAGGAA 545
OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 544 GCACAGAGATCCCTGGGAGAAATGCGCGCCGACATCTTGGGTCATGCATGAGCTCGCC 485
OY 41 LeuGlyLeuValProLeuValArgGluGlnHis 51
DB 484 CTGTGCGCTGTCGCCGCTTGTGAGGAGAGACAT 452
```

RESULT 2
US-09-352-616A-471/c
; Sequence 471, Application US/09352616A

```
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471
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Alignment Scores:
Pred. No.: 1.59e-44 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-352-616A-471 (1-812)

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OY 1 MetPheLeuHisIleSerSerProPheIleTyProHisThrGlnGluAlaGlnIleGlu 20
DB 604 ATGTTTTCACATTTCCAGCCCTTAATATCCACACACAGGAGGACACAAAAGGAA 545
OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 544 GCACAGAGATCCCTGGGAGAAATGCGCGCCGACATCTTGGGTCATGCATGAGCTCGCC 485
OY 41 LeuGlyLeuValProLeuValArgGluGlnHis 51
DB 484 CTGTGCGCTGTCGCCGCTTGTGAGGAGAGACAT 452
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RESULT 3
US-09-439-313-469/c
; Sequence 469, Application US/09439313

```
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469
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Alignment Scores:
Pred. No.: 4.16e-44 Length: 2229

US-09-402-713a-2 (1-51) x US-09-352-616a-470 (1-2426)

OY 1 MetPheUHisIleSerSerProPheLysTyProHisThrGlnGlnuAlaGlnLysGlu 20
 DB 1653 ATGTTTTCACATTTCCACCCCTTTAAATATCCACACACAGGAAGCAAAAGAA 1594
 OY 21 AlAGlnArgSerLeuGlyGluMetProGlyArgHisIleuGlySerMetSerLeuAla 40
 DB 1593 GCACAGAGATCCCTGGGAGAAATGCCGCGCCCATTTGGTCATGATGAGCCCTCGCC 1534
 OY 41 LeucysLeuValProLeuValArgGluGlyHis 51
 DB 1533 CTGTGCTGTGCTCCCGCTTGTGAGGGAAGACAT 1501

RESULT 7

US-09-439-313-468
 : Sequence 468, Application US/09439313
 : Patent No. 6329505
 : GENERAL INFORMATION:
 : APPLICANT: Xu, Jiangchun
 : APPLICANT: Dillon, Davin C.
 : APPLICANT: Mitcham, Jennifer L.
 : APPLICANT: Harlocker, Susan Louise
 : APPLICANT: Jiang Yuqi
 : APPLICANT: Reed, Steven G.
 : APPLICANT: Kalos, Michael
 : APPLICANT: Fanger, Gary
 : APPLICANT: Retter, Mark
 : APPLICANT: Solk, John
 : APPLICANT: Day, Craig
 : TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 : TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 : FILE REFERENCE: 210121.427C9
 : CURRENT APPLICATION NUMBER: US/09/439,313
 : CURRENT FILING DATE: 1999-11-12
 : NUMBER OF SEQ ID NOS: 575
 : SOFTWARE: FastSeq for Windows Version 3.0
 : SEQ ID NO 468
 : LENGTH: 3112
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : US-09-439-313-468

Alignment Scores:
 Pred. No.: 5,71e-44 Length: 3112
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-439-313-468 (1-3112)

OY 1 MetPheUHisIleSerSerProPheLysTyProHisThrGlnGlnuAlaGlnLysGlu 20
 DB 1429 ATGTTTTCACATTTCCACCCCTTTAAATATCCACACACAGGAAGCAAAAGAA 1488
 OY 21 AlAGlnArgSerLeuGlyGluMetProGlyArgHisIleuGlySerMetSerLeuAla 40
 DB 1489 GCACAGAGATCCCTGGGAGAAATGCCGCGCCCATTTGGTCATGATGAGCCCTCGCC 1548
 OY 41 LeucysLeuValProLeuValArgGluGlyHis 51
 DB 1549 CTGTGCTGTGCTCCCGCTTGTGAGGGAAGACAT 1581

RESULT 8

US-09-352-616a-468
 : Sequence 468, Application US/09352616A
 : Patent No. 6395278
 : GENERAL INFORMATION:
 : APPLICANT: Dillon, Davin C.
 : APPLICANT: Harlocker, Susan Louise

: APPLICANT: Jiang, Yuqi
 : APPLICANT: Xu, Jiangchun
 : APPLICANT: Mitcham, Jennifer Lynn
 : TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
 : TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
 : FILE REFERENCE: 210121.427C8
 : CURRENT APPLICATION NUMBER: US/09/352,616A
 : CURRENT FILING DATE: 1999-07-13
 : NUMBER OF SEQ ID NOS: 472
 : SOFTWARE: FastSeq for Windows Version 3.0
 : SEQ ID NO 468
 : LENGTH: 3112
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : US-09-352-616a-468

Alignment Scores:
 Pred. No.: 5,71e-44 Length: 3112
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-352-616a-468 (1-3112)

OY 1 MetPheUHisIleSerSerProPheLysTyProHisThrGlnGlnuAlaGlnLysGlu 20
 DB 1429 ATGTTTTCACATTTCCACCCCTTTAAATATCCACACACAGGAAGCAAAAGAA 1488
 OY 21 AlAGlnArgSerLeuGlyGluMetProGlyArgHisIleuGlySerMetSerLeuAla 40
 DB 1489 GCACAGAGATCCCTGGGAGAAATGCCGCGCCCATTTGGTCATGATGAGCCCTCGCC 1548
 OY 41 LeucysLeuValProLeuValArgGluGlyHis 51
 DB 1549 CTGTGCTGTGCTCCCGCTTGTGAGGGAAGACAT 1581

RESULT 9

US-09-439-313-313
 : Sequence 313, Application US/09439313
 : Patent No. 6329505
 : GENERAL INFORMATION:
 : APPLICANT: Xu, Jiangchun
 : APPLICANT: Dillon, Davin C.
 : APPLICANT: Mitcham, Jennifer L.
 : APPLICANT: Harlocker, Susan Louise
 : APPLICANT: Jiang Yuqi
 : APPLICANT: Reed, Steven G.
 : APPLICANT: Kalos, Michael
 : APPLICANT: Fanger, Gary
 : APPLICANT: Retter, Mark
 : APPLICANT: Solk, John
 : APPLICANT: Day, Craig
 : TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 : TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 : FILE REFERENCE: 210121.427C9
 : CURRENT APPLICATION NUMBER: US/09/439,313
 : CURRENT FILING DATE: 1999-11-12
 : NUMBER OF SEQ ID NOS: 575
 : SOFTWARE: FastSeq for Windows Version 3.0
 : SEQ ID NO 313
 : LENGTH: 718
 : TYPE: DNA
 : ORGANISM: Homo sapien
 : FEATURE:
 : NAME/KEY: misc_feature
 : LOCATION: (1)...(718)
 : OTHER INFORMATION: n = A,T,C or G
 : US-09-439-313-313

Alignment Scores:
 Pred. No.: 3.06e-36 Length: 718

Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-439-313-313 (1-718)

OY 1 MethpheleuHISieserSerProphelysTyProhIstHngIngluaIaGlnLysGlu 20
DB 189 ATGTTTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGAAAGCAAAAGGAA 248

OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHISleuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTGATCATGATGAGCCTCGCC 308

OY 41 Leucysleu 43
DB 309 CTGTGCTCG 317

RESULT 10
US-09-352-616A-313
; Sequence 313, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Youqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G

US-09-352-616A-313

Alignment Scores:
Pred. No.: 3.06e-36 Length: 718
Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-352-616A-313 (1-718)

OY 1 MethpheleuHISieserSerProphelysTyProhIstHngIngluaIaGlnLysGlu 20
DB 189 ATGTTTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGAAAGCAAAAGGAA 248

OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHISleuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTGATCATGATGAGCCTCGCC 308

OY 41 Leucysleu 43
DB 309 CTGTGCTCG 317

RESULT 11
US-09-232-149A-313
; Sequence 313, Application US/09232149A
; Patent No. 6465611

GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232.149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G

US-09-232-149A-313

Alignment Scores:
Pred. No.: 3.06e-36 Length: 718
Score: 43.00 Matches: 43
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 84.31% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-232-149A-313 (1-718)

OY 1 MethpheleuHISieserSerProphelysTyProhIstHngIngluaIaGlnLysGlu 20
DB 189 ATGTTTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGAAAGCAAAAGGAA 248

OY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHISleuGlySerSerMetSerLeuAla 40
DB 249 GCACAGAGATCCCTGGGAGAAATGCGCGCCCATCTTGGGTGATCATGATGAGCCTCGCC 308

OY 41 Leucysleu 43
DB 309 CTGTGCTCG 317

RESULT 12
US-08-125-468-1/C
; Sequence 1, Application US/08125468
; Patent No. 5589385
; GENERAL INFORMATION:
; APPLICANT: Ryan, Michael J.
; APPLICANT: Lotvin, Jason A.
; APPLICANT: Strathly, Nancy E.
; APPLICANT: Fanlinl, Susan E.
; TITLE OF INVENTION: Cloning of the biosynthetic pathway for
; TITLE OF INVENTION: chlorotetracycline and tetracycline formation and cosmid
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESS: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07470
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/125.468
; FILING DATE: 22-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:

```

; NAME: Tsevdos, Estelle J
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,255-02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201)831-3241
; TELEFAX: (201)831-3305
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-125-468-1

Alignment Scores:
Pred. No.: 316 Length: 30001
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 15.69% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-2 (1-51) x US-08-125-468-1 (1-30001)

QY 39 LeuAlaLeuCySteuValProLeu 46
Db 19783 CTGGCGCTCTGCTGCTGCGCGCTG 19760

RESULT 13
US-08-474-933-1/c
; Sequence 1, Application US/08474933
; Patent No. 5866410
; GENERAL INFORMATION:
; APPLICANT: Ryan, Michael J.
; APPLICANT: Lotvin, Jason A.
; APPLICANT: Strachy, Nancy
; APPLICANT: Fantini, Susan E.
; TITLE OF INVENTION: Cloning of the biosynthetic pathway for
; TITLE OF INVENTION: chlorotetracycline and tetracycline formation and cosmids
; TITLE OF INVENTION: useful therein
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07470
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,933
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/125,468
; FILING DATE: 22-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Tsevdos, Estelle J
; REGISTRATION NUMBER: 31,145
; REFERENCE/DOCKET NUMBER: 31,255-02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201)831-3241
; TELEFAX: (201)831-3305
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30001 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
```

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; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-474-933-1

Alignment Scores:
Pred. No.: 316 Length: 30001
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 15.69% Indels: 0
DB: 2 Gaps: 0

US-09-402-713a-2 (1-51) x US-08-474-933-1 (1-30001)

QY 39 LeuAlaLeuCySteuValProLeu 46
Db 19783 CTGGCGCTCTGCTGCTGCGCGCTG 19760

RESULT 14
US-09-495-050A-219/c
; Sequence 219, Application US/09495050A
; Patent No. 6492505
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/09/495,050A
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118,318
; PRIOR FILING DATE: February 1, 1999
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 219
; LENGTH: 490
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6492505 2553280CT1
; US-09-495-050A-219

Alignment Scores:
Pred. No.: 69.2 Length: 490
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-495-050A-219 (1-490)

QY 3 LeuHisTleSerProPhe 9
Db 346 TTACATATTTCTTCCTTTT 326

RESULT 15
US-09-702-705-65/c
; Sequence 65, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Reiter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
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; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 65
; LENGTH: 547
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(547)
; OTHER INFORMATION: n = A,T,C or G
US-09-702-705-65

Alignment Scores:
Pred. No.: 76.9      Length: 547
Score: 7.00          Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%              Indels: 0
DB: 4                      Gaps: 0

US-09-402-713A-2 (1-51) x US-09-702-705-65 (1-547)
OY 5 11eSerSerProphelysTyr 11
   |||||||
DB 164 ATCTCTCTCTCTTCATAATAT 144

RESULT 16
US-09-736-457-65/C
; Sequence 65, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darriick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 65
; LENGTH: 547
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(547)
; OTHER INFORMATION: n = A,T,C or G
US-09-736-457-65

Alignment Scores:
Pred. No.: 76.9      Length: 547
Score: 7.00          Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%              Indels: 0
DB: 4                      Gaps: 0

US-09-402-713A-2 (1-51) x US-09-736-457-65 (1-547)
OY 5 11eSerSerProphelysTyr 11
   |||||||
DB 164 ATCTCTCTCTCTTCATAATAT 144

; FILE REFERENCE: 57072-PCT-US
; CURRENT APPLICATION NUMBER: US/09/129,030A
; CURRENT FILING DATE: 1998-08-04
; EARLIER APPLICATION NUMBER: AU PN7856
; EARLIER FILING DATE: 1996-02-05
; EARLIER APPLICATION NUMBER: AU P02361
; EARLIER FILING DATE: 1996-09-16
; EARLIER APPLICATION NUMBER: PCT/AU97/00041
; EARLIER FILING DATE: 1997-01-24
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 588
; TYPE: DNA
; ORGANISM: APPLE
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(588)
US-09-129-030-27

Alignment Scores:
Pred. No.: 82.3      Length: 588
Score: 7.00          Matches: 7
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%              Indels: 0
DB: 3                      Gaps: 0

US-09-402-713A-2 (1-51) x US-09-129-030-27 (1-588)
OY 34 glySerSerMetSerLeuAla 40
   |||||||
DB 146 GGATCGCTATGAGTTCGCC 126

RESULT 18
US-09-581-001B-20/C
; Sequence 20, Application US/09581001B
; Patent No. 6472142
; GENERAL INFORMATION:
; APPLICANT: Dahan-Van Oorschot, Astrid
; TITLE OF INVENTION: METHODS AND MEANS FOR INDUCING APOPTOSIS BY INTERFERING WITH
; TITLE OF INVENTION: BIP-LIKE PROTEINS
; FILE REFERENCE: 2906-49400S
; CURRENT APPLICATION NUMBER: US/09/581,001B
; CURRENT FILING DATE: 2000-07-24
; EARLIER APPLICATION NUMBER: PCT/NL98/00668
; PRIOR FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: EP 97203783.2
; PRIOR FILING DATE: 1997-12-03
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 745
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (493)..(493)
; OTHER INFORMATION: The "n" at position 493 may be any of g, a, t, or c.
; NAME/KEY: misc_feature
; LOCATION: (510)..(510)
; OTHER INFORMATION: The "n" at position 510 may be any of g, a, t, or c.
```

```

FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (576)..(576)
? OTHER INFORMATION: The "n" at position 576 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (590)..(590)
? OTHER INFORMATION: The "n" at position 590 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (614)..(614)
? OTHER INFORMATION: The "n" at position 614 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (630)..(630)
? OTHER INFORMATION: The "n" at position 630 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (636)..(636)
? OTHER INFORMATION: The "n" at position 636 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (657)..(658)
? OTHER INFORMATION: The "n" at positions 657-658 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (660)..(660)
? OTHER INFORMATION: The "n" at position 660 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (674)..(674)
? OTHER INFORMATION: The "n" at position 674 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (685)..(685)
? OTHER INFORMATION: The "n" at position 685 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (697)..(697)
? OTHER INFORMATION: The "n" at position 697 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (699)..(699)
? OTHER INFORMATION: The "n" at position 699 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (714)..(714)
? OTHER INFORMATION: The "n" at position 714 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (719)..(719)
? OTHER INFORMATION: The "n" at position 719 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (724)..(724)
? OTHER INFORMATION: The "n" at position 724 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (730)..(730)
? OTHER INFORMATION: The "n" at position 730 may be any of g, a, t, or c.
FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (732)..(732)
? OTHER INFORMATION: The "n" at position 732 may be any of g, a, t, or c.
US-09-581-001B-20

Alignment Scores:
Pred. No.: 103
Score: 7.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 13.73%
DB: 4
Length: 745
Matches: 7
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0

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US-09-402-713a-2 (1-51) x US-09-581-001B-20 (1-745)
Qy 5 IlleSerSerProphelystyr 11
Db 374 ATCTCTCTCTTCATATAT 354

RESULT 19
US-09-107-532A-298/c
: Sequence 298, Application US/09107532A
: Patent No. 6583275
: GENERAL INFORMATION:
: APPLICANT: Lynn A Doucette-Stamm and David Bush
: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
: ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
: NUMBER OF SEQUENCES: 7310
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: GENOME THERAPEUTICS CORPORATION
: STREET: 100 Beaver Street
: CITY: Waltham
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02354
: COMPUTER READABLE FORM:
: MEDIUM TYPE: CD-ROM ISO9660
: COMPUTER: PC
: OPERATING SYSTEM: <Unknown>
: SOFTWARE: ASCII
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/107,532A
: FILING DATE: 30-Jun-1998
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: 60/085,598
: FILING DATE: 14 May 1998
: APPLICATION NUMBER: 60/051,571
: FILING DATE: July 2, 1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Atinello, Pamela Deneka
: REGISTRATION NUMBER: 40,489
: REFERENCE/DOCKET NUMBER: GTC-012
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (781)893-5007
: TELEFAX: (781)893-8277
: INFORMATION FOR SEQ ID NO: 298:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1335 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: circular
: MOLECULE TYPE: DNA (genomic)
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Enterococcus faecium
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (B) LOCATION 1...1335
: SEQUENCE DESCRIPTION: SEQ ID NO: 298:

US-09-107-532A-298

Alignment Scores:
Pred. No.: 180
Score: 7.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 13.73%
DB: 4
Length: 1335
Matches: 7
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0

US-09-402-713a-2 (1-51) x US-09-107-532A-298 (1-1335)
Qy 2 PhelauHisIleSerSerPro 8
Db 1315 TTCCTTCATATATCTCAGCCCA 1295

```

RESULT 20
US-08-868-288A-2/C
; Sequence 2, Application US/08868288A
; Patent No. 5922567
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/868,288A
; FILING DATE: June 3, 1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0309 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SYNORAB01
; CLONE: 136466
; US-08-868-288A-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 2 Gaps: 0

US-09-402-713A-2 (1-51) x US-08-868-288A-2 (1-1376)

QY 5 11eserSerProphelysTyr 11
|||||
Db 963 ATCTCTCTCTCTTCAATAAT 943

RESULT 21
US-09-235-373-2/C
; Sequence 2, Application US/09235373
; Patent No. 6001598
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/235,373
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/868,288
FILING DATE: June 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0309 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1376 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: SYNORAB01
CLONE: 136466
US-09-235-373-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-235-373-2 (1-1376)

QY 5 11eserSerProphelysTyr 11
|||||
Db 963 ATCTCTCTCTTCAATAAT 943

RESULT 22
US-09-388-993-2/C
; Sequence 2, Application US/09388993
; Patent No. 6043222
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; TITLE OF INVENTION: TWO NEW HUMAN DNAJ-LIKE PROTEINS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/388,993
; FILING DATE:

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/868,288
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0309 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SYNORAB01
; CLONE: 136466
US-09-388-993-2

Alignment Scores:
Pred. No.: 185 Length: 1376
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-388-993-2 (1-1376)

OY 5 IleserSerProphelysTyr 11
Db 963 ATCTCTCTCTCTTCAATAT 943

RESULT 23
US-09-252-991A-1331
; Sequence 1331, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1331
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1331

Alignment Scores:
Pred. No.: 197 Length: 1467
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-252-991A-1331 (1-1467)

OY 40 AlaLeucysLeuValProLeu 46
Db 667 GCCCTGTGCTGTGCTGCGCTG 687

RESULT 24
US-09-044-404A-1/c

; Sequence 1, Application US/09044404A
; Patent No. 6200775
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH
; APPLICANT: HALSEY, WENDY
; APPLICANT: ELLIS, CATHERINE
; APPLICANT: AMES, ROBERT
; APPLICANT: SARAU, HENRY
; TITLE OF INVENTION: CDNA CLONE HMTW81 THAT ENCODES
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 790 Swedeland Road, P.O. Box 1539
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/044,404A
; FILING DATE: MARCH 19, 1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/844,795
; FILING DATE: APRIL 22, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T.
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH-70001-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1578 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-044-404A-1

Alignment Scores:
Pred. No.: 211 Length: 1578
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 3 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-044-404A-1 (1-1578)

OY 3 LeuHisIleSerProph 9
Db 1473 TTACATATTTCTCTCTTTT 1453

RESULT 25
US-09-586-924-1/c
; Sequence 1, Application US/09586924
; Patent No. 6506878
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH M.
; APPLICANT: HALSEY, WENDY
; APPLICANT: ELLIS, CATHERINE E.
; APPLICANT: AMES, ROBERT S.
; APPLICANT: FOLEY, JAMES J.
; APPLICANT: SARAU, HENRY M.

APPLICANT: CHAMBERS, JON
TITLE OF INVENTION: CDNA CLONE HMTMF81 THAT ENCODES A NOVEL
FILE REFERENCE: GH-70001-1D1
CURRENT APPLICATION NUMBER: US/09/586,924
CURRENT FILING DATE: 2000-06-05
PRIOR APPLICATION NUMBER: 09/044,404
PRIOR FILING DATE: 1998-03-19
PRIOR APPLICATION NUMBER: 08/844,795
PRIOR FILING DATE: 1997-04-22
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 1578
TYPE: DNA
ORGANISM: HOMO SAPIENS
US-09-586-924-1

Alignment Scores:
Pred. No.: 211 Length: 1578
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-586-924-1 (1-1578)
Oy 3 LeuHsiIeSerSerProPhe 9
Db 1473 TTACATATTCTCTCCTTT 1453

RESULT 26
US-09-996-243-147/c
Sequence 147, Application US/0996243
Patent No. 6478825
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC13
CURRENT APPLICATION NUMBER: US/09/996,243
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16

;; PRIOR APPLICATION NUMBER: 60/089532
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089538
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089598
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089599
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089600
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089801
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089907
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089908
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478

;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.:	216	Length:	1621
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	13.73%	Indels:	0
DB:	4	Gaps:	0

US-09-402-713A-2 (1-51) x US-09-996-243-147 (1-1621)

Qy 5 lIeSerSePProPhelystyr 11
Db 926 ATCTCCTCCTTCAAAATAT 906

RESULT 27
US-09-328-352-639
; Sequence 639, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTE
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 639
; LENGTH: 2163
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-639

Alignment Scores:

Pred. No.:	285	Length:	2163
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	13.73%	Indels:	0
DB:	4	Gaps:	0

US-09-402-713A-2 (1-51) x US-09-328-352-639 (1-2163)

Qy 29 ProGlyArgHisLeuGlySer 35
Db 177 CCAGCGACATCTGGCTTCG 197

RESULT 28
US-09-620-312D-909
; Sequence 909, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong

```
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aldong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yundong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: PC_FL_genes Version 1.0
; SEQ ID NO 909
; LENGTH: 2268
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (445)..(1539)
US-09-620-312D-909

Alignment Scores:
Pred. No.: 298 Length: 2268
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-620-312D-909 (1-2268)
OY 38 SerLeuAlaLeuCySeIeuVal 44
DB 201 TCCCTTGCCCTGTGTCTGTC 221

RESULT 29
US-09-411-977-1/c
; Sequence 1, Application US/09411977
; Patent No. 6372473
; GENERAL INFORMATION:
; APPLICANT: Moore, Paul A.
; APPLICANT: Ruben, Steven M.
; APPLICANT: Edner, Reinhard
; TITLE OF INVENTION: Tissue Plasminogen Activator-Like Protease
; FILE REFERENCE: PF378P1
; CURRENT APPLICATION NUMBER: US/09/411,977
; CURRENT FILING DATE: 1999-10-04
; EARLIER APPLICATION NUMBER: 09/084,491
; EARLIER FILING DATE: 1998-05-27
; EARLIER APPLICATION NUMBER: 60/048,000
; EARLIER FILING DATE: 1997-05-28
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2329
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: (124)..(186)
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: (187)..(915)
```

```
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (124)..(915)
US-09-411-977-1

Alignment Scores:
Pred. No.: 305 Length: 2329
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-411-977-1 (1-2329)
OY 21 AlaGlnArgSerLeuGlyGlu 27
DB 1262 GCACAGAGAGAGCGCTGGGGAG 1242

RESULT 30
US-07-795-859B-5/c
; Sequence 5, Application US/07795859B
; Patent No. 5422262
; GENERAL INFORMATION:
; APPLICANT: Anderson, Stefan
; APPLICANT: Russell, David W.
; TITLE OF INVENTION: Steroid 5'-Reductases
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White and Durkee
; STREET: P O Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII-DOS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/795,859B
; FILING DATE: 18-NOV-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTSD:260/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 320-7200
; TELEFAX: (512) 474-7677
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2437 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 28..789
US-07-795-859B-5

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-2 (1-51) x US-07-795-859B-5 (1-2437)
```

```
QY      41 LeuCysLeuValProLeuVal 47
DB      2312 CTGTGCTTAGTACCACCTGCTG 2292

RESULT 31
US-08-457-616-5/C
; Sequence 5, Application US/08457616
; Patent No. 5679521
; GENERAL INFORMATION:
; APPLICANT: Anderson, Stefan
; APPLICANT: Russell, David W.
; TITLE OF INVENTION: Steroid 5'-Reductases
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White and Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,616
FILING DATE: 01-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/795,859
FILING DATE: 18-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:260/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 320-7200
FAX: (512) 474-7677
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2437 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 28..789
US-08-457-616-5

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 0
DB: 1

US-09-402-713a-2 (1-51) x US-08-457-616-5 (1-2437)
QY      41 LeuCysLeuValProLeuVal 47
DB      2312 CTGTGCTTAGTACCACCTGCTG 2292

RESULT 32
US-09-235-538-1/C
; Sequence 1, Application US/09235538
; Patent No. 6395479
; GENERAL INFORMATION:
; APPLICANT: Reichardt, Juergen, K.V., Ph.D.
; APPLICANT: Gerhardt, Coetzee, A., Ph.D.
; APPLICANT: Henderson, Brian E., M.D.

APPLICANT: Makridakis, Nick
; APPLICANT: Ross, Ronald, M.D.
; APPLICANT: University of Southern California
; TITLE OF INVENTION: ANDROGEN-METABOLIC GENE MUTATIONS AND
; FILE REFERENCE: 13761-706051
; CURRENT APPLICATION NUMBER: US/09/235,538
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: US 60/072,225
; PRIOR FILING DATE: 1998-01-23
; PRIOR APPLICATION NUMBER: PCT/US99/01165
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2437
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-235-538-1

Alignment Scores:
Pred. No.: 319 Length: 2437
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 4
DB: 4

US-09-402-713a-2 (1-51) x US-09-235-538-1 (1-2437)
QY      41 LeuCysLeuValProLeuVal 47
DB      2312 CTGTGCTTAGTACCACCTGCTG 2292

RESULT 33
US-09-252-991a-1285
; Sequence 1285, Application US/09252991a
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991a
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1285
; LENGTH: 2538
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991a-1285

Alignment Scores:
Pred. No.: 331 Length: 2538
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
Gaps: 4
DB: 4

US-09-402-713a-2 (1-51) x US-09-252-991a-1285 (1-2538)
QY      40 AlaLeuCysLeuValProLeu 46
DB      1982 GCCCTGTGCTGTGCTGCCGCTG 2002

RESULT 34
US-09-252-991a-1279/C
; Sequence 1279, Application US/09252991a
```

Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1279
; LENGTH: 2571
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1279

Alignment Scores:
Pred. No.: 335 Length: 2571
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-252-991A-1279 (1-2571)

OY 40 AlaleucysleuValProleu 46
Db 561 GCCCTGCTGCTGCTGCCCTG 541

RESULT 35
US-08-147-949A-1/c
; Sequence 1, Application US/08147949A
; Patent No. 5747279
; GENERAL INFORMATION:
; APPLICANT: Pasternak, Gavril W.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: KAPPA OPIOID RECEPTORS, RECEPTORS
; TITLE OF INVENTION: ENCODED THEREBY, AND USES THEREOF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/147,949A
; FILING DATE: 05-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 44782/JPM/JKM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; TELEX: 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2600 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 299..1401
; OTHER INFORMATION:
US-08-147-949A-1

Alignment Scores:
Pred. No.: 339 Length: 2600
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 1 Gaps: 0

US-09-402-713a-2 (1-51) x US-08-147-949A-1 (1-2600)

OY 40 AlaleucysleuValProleu 46
Db 2014 GCTTGTGCTGCTGCCCTG 1994

RESULT 36
US-09-484-970B-90/C
; Sequence 90, Application US/09484970B
; Patent No. 6426186
; GENERAL INFORMATION:
; APPLICANT: Jones, Karen A.
; APPLICANT: Volkmutch, Wayne
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: BONE REMODELING GENES
; FILE REFERENCE: PB-0014 US
; CURRENT APPLICATION NUMBER: US/09/484,970B
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PERL program
; SEQ ID NO 90
; LENGTH: 2798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. 6426186 245084.3CB1
; LOCATION: 126, 129, 199, 204
; OTHER INFORMATION: a, t, c, g, or other
US-09-484-970B-90

Alignment Scores:
Pred. No.: 364 Length: 2798
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-484-970B-90 (1-2798)

OY 21 AlagInArgSerLeuGlyu 27
Db 1650 GCACGAGGAGCGCTGGGGAG 1630

RESULT 37
US-09-203-453-4
; Sequence 4, Application US/09203453
; Patent No. 6426411
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and Adelment, Guilan
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR(SYMBOL 103 \f "Symbol") COACTIVA
; FILE REFERENCE: DFN-023CP
; CURRENT APPLICATION NUMBER: US/09/203,453
; CURRENT FILING DATE: 1998-12-01

```
; EARLIER APPLICATION NUMBER: 09/086,912
; EARLIER FILING DATE: 1998-05-29
; EARLIER APPLICATION NUMBER: 60/048,107
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3023
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(2482)
US-09-203-453-4

Alignment Scores:
Pred. No.: 391          Length: 3023
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%   Indels: 0
DB: 4                 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-203-453-4 (1-3023)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 38
US-09-900-236-4
; Sequence 4, Application US/09900236
; Patent No. 6525178
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and
; APPLICANT: Adelmant, Guillaume
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR[SYMBOL 103 \f "Symbol"]
; FILE REFERENCE: DEN-023CP
; CURRENT APPLICATION NUMBER: US/09/900,236
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/203,453
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-01
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/048,107
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 3023
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (89)..(2482)
US-09-900-236-4

Alignment Scores:
Pred. No.: 391          Length: 3023
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%   Indels: 0
DB: 4                 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-900-236-4 (1-3023)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 39
US-09-086-912-1
; Sequence 1, Application US/09086912
```

```
; Patent No. 6166192
; GENERAL INFORMATION:
; APPLICANT: Bruce M. Spiegelman, Pere Puigserver and Zhidan Wu
; TITLE OF INVENTION: PGC-1, A NO. 6166192el Brown Fat PPAR[SYMBOL
; TITLE OF INVENTION: 103 \f "Symbol"] Coactivator
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; City: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/086,912
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/048,107
; FILING DATE: 30-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy B.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-023
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3066 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 92..2482
US-09-086-912-1

Alignment Scores:
Pred. No.: 397          Length: 3066
Score: 7.00           Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%   Indels: 0
DB: 3                 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-086-912-1 (1-3066)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGAAGCTCAGAGAAGCTTG 2476

RESULT 40
US-09-203-453-1
; Sequence 1, Application US/09203453
; Patent No. 6426411
; GENERAL INFORMATION:
; APPLICANT: Spiegelman, Bruce M.; Puigserver, Pere; Wu, Zhidan and Adelmant, Guila
; TITLE OF INVENTION: PGC-1, A NOVEL BROWN FAT PPAR[SYMBOL 103 \f "Symbol"] COACTIVA
; FILE REFERENCE: DEN-023CP
; CURRENT APPLICATION NUMBER: US/09/203,453
; CURRENT FILING DATE: 1998-12-01
; EARLIER APPLICATION NUMBER: 09/086,912
; EARLIER FILING DATE: 1998-05-29
; EARLIER APPLICATION NUMBER: 60/048,107
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
```

```

: SEQ ID NO 1
: LENGTH: 3066
: TYPE: DNA
: ORGANISM: Mus musculus
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (92)..(2482)
US-09-203-453-1

Alignment Scores:
Pred. No.: 397 Length: 3066
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-203-453-1 (1-3066)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGGAGCTCAGAGACCTTG 2476

RESULT 41
US-09-900-236-1
: Sequence 1, Application US/09900236
: Patent No. 6525178
: GENERAL INFORMATION:
: APPLICANT: Spiegelman, Bruce M.; Pulgserver, Pere; Wu, Zhidan and
: APPLICANT: Adelmont, Guillaume
: TITLE OF INVENTION: PGC-1, A NOVEL, BROWN FAT PPAR(SYMBOL 103 \f "Symbol")
: FILE REFERENCE: DEN-023CP
: CURRENT APPLICATION NUMBER: US/09/900,236
: CURRENT FILING DATE: 2001-10-09
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/203,453
: PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-01
: PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/048,107
: PRIOR FILING DATE: EARLIER FILING DATE: 1997-05-30
: NUMBER OF SEQ ID NOS: 6
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1
: LENGTH: 3066
: TYPE: DNA
: ORGANISM: Mus musculus
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (92)..(2482)
US-09-900-236-1

Alignment Scores:
Pred. No.: 397 Length: 3066
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-900-236-1 (1-3066)
OY 19 LysGluAlaGlnArgSerLeu 25
Db 2456 AAGGAGCTCAGAGACCTTG 2476

RESULT 42
US-09-221-017B-255/c
: Sequence 255, Application US/09221017B
: Patent No. 6444799
: GENERAL INFORMATION:
: APPLICANT: Ross, Bruce C.
: TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
: NUMBER OF SEQUENCES: 1120
: CORRESPONDENCE ADDRESS:
```

```

: ADDRESSEE: MORRISON & FOERSTER
: STREET: 755 PAGE MILL ROAD
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94304-1018
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: Windows
: SOFTWARE: FastSeq for Windows Version 2.0b
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/221,017B
: FILING DATE: 23-DEC-1998
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP1182
: FILING DATE: 31-DEC-1997
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP1546
: FILING DATE: 30-JAN-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP2911
: FILING DATE: 09-APR-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/AU98/01023
: FILING DATE: 10-DEC-1998
: ATTORNEY/AGENT INFORMATION:
: NAME: Monroy, Gladys H
: REGISTRATION NUMBER: 32,430
: REFERENCE/DOCKET NUMBER: 27340-20021.00
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650-813-5600
: TELEFAX: 650-494-0792
: TELEX: 706141
: INFORMATION FOR SEQ ID NO: 255:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3218 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: MOLECULE TYPE: DNA (genomic)
: HYPOTHEetical: NO
: ANTI-SENSE: UNKNOWN
: ORIGINAL SOURCE:
: ORGANISM: PORPHYROMONAS GINGIVALIS
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 1...3218
US-09-221-017B-255

Alignment Scores:
Pred. No.: 415 Length: 3218
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-221-017B-255 (1-3218)
OY 35 SerSerMetSerLeuAlaLeu 41
Db 2787 AGTTCATGAGCTTGCCCTTG 2767

RESULT 43
US-08-961-527-70/c
: Sequence 70, Application US/08961527
: Patent No. 6420135
: GENERAL INFORMATION:
: APPLICANT: Charles Kunsch
: TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
: NUMBER OF SEQUENCES: 391
```

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 70:
SEQUENCE CHARACTERISTICS:
LENGTH: 13188 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-961-527-70

Alignment Scores:
Pred. No.: 1.59e+03      Length: 13188
Score: 7.00             Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%      Indels: 0
DB: 4                   Gaps: 0

US-09-402-713A-2 (1-51) x US-08-961-527-70 (1-13188)

QY 40 AlaLeuCysLeuValProLeu 46
Db 2186 GCGCTAGTGTGGTGCCTTA 2166

RESULT 44
US-09-215-694-19/c
; Sequence 19, Application US/09215694B
; Patent No. 6391583
; GENERAL INFORMATION:
; APPLICANT: Wisconsin Alumni Research Foundation
; APPLICANT: Hutchinson, Charles R.
; APPLICANT: Kennedy, Jonathan n.m.i
; APPLICANT: Park, Cheonseek n.m.i
; TITLE OF INVENTION: METHOD OF PRODUCING ANTIHYPERCHOLESTEROLEMIC AGENTS
; FILE REFERENCE: 960296.95718
; CURRENT APPLICATION NUMBER: US/09/215,694B
; CURRENT FILING DATE: 1999-12-18
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 31328
; TYPE: DNA
; ORGANISM: Aspergillus terreus
US-09-215-694-19

Alignment Scores:
Pred. No.: 3.62e+03      Length: 31328
Score: 7.00             Matches: 7
Percent Similarity: 100.00% Conservative: 0

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Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 13.73%                Indels: 0
DB: 4                               Gaps: 0

US-09-402-713A-2 (1-51) x US-09-215-694-19 (1-31328)

QY 22 GluArgSerLeuGlyGluMet 28
Db 24667 CAACGTAGTCTCGCGCAATG 24647

RESULT 45
US-09-738-894A-3/c
; Sequence 3, Application US/09738894A
; Patent No. 6331423
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CLO00636
; CURRENT APPLICATION NUMBER: US/09/738,894A
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 36651
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(36651)
; OTHER INFORMATION: n = A,T,C or G
US-09-738-894A-3

Alignment Scores:
Pred. No.: 4.21e+03      Length: 36651
Score: 7.00             Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.73%      Indels: 0
DB: 4                   Gaps: 0

US-09-402-713A-2 (1-51) x US-09-738-894A-3 (1-36651)

QY 35 SerSerMetSerLeuAlaLeu 41
Db 15084 TCCAGTAGTGTCTCTACAGATTG 15064

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Search completed: September 29, 2003, 14:57:07
 Job time : 61.5 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 29, 2003, 14:39:34 : Search time 112.171 Seconds
(without alignments)
7366.135 Million cell updates/sec

Title: US-09-402-713A-3

Perfect score: 1872

Sequence: 1 agaaagctgcatacaaaaaa.....caataaagaattacaaga 1872

Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries

Database :

- Issued Patents NA:*
- 1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
 - 2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
 - 3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
 - 4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
 - 5: /cgn2_6/ptodata/1/ina/PCrus.COMB.seq:*
 - 6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
c 1	1155	61.7	2426	US-09-439-313-470	Sequence 470, App
c 2	1155	61.7	2426	US-09-352-616A-470	Sequence 468, App
c 3	1155	61.7	3112	US-09-439-313-468	Sequence 468, App
c 4	1155	61.7	3112	US-09-352-616A-468	Sequence 468, App
c 5	1034	55.2	2229	US-09-439-313-469	Sequence 469, App
c 6	1034	55.2	2229	US-09-352-616A-469	Sequence 469, App
c 7	812	43.4	812	US-09-439-313-471	Sequence 471, App
c 8	812	43.4	812	US-09-352-616A-471	Sequence 471, App
c 9	257	13.7	718	US-09-439-313-313	Sequence 313, App
c 10	257	13.7	718	US-09-352-616A-313	Sequence 313, App
c 11	257	13.7	718	US-09-232-149A-313	Sequence 313, App
c 12	179	9.6	301	US-09-439-313-287	Sequence 287, App
c 13	179	9.6	301	US-09-352-616A-287	Sequence 287, App
c 14	179	9.6	301	US-09-232-149A-287	Sequence 287, App
c 15	26	1.4	1379	US-09-620-312D-791	Sequence 791, App
c 16	26	1.4	1462	US-09-620-312D-788	Sequence 788, App
c 17	26	1.4	1519	US-09-620-312D-789	Sequence 789, App
c 18	20	1.1	1664976	US-08-916-421B-1	Sequence 1, App1
c 19	19	1.0	161	US-08-450-834-3	Sequence 3, App1
c 20	19	1.0	98844	US-09-791-211-10	Sequence 10, App1
c 21	18	1.0	3645	US-08-663-112-1	Sequence 1, App1
c 22	18	1.0	4527	US-08-944-449-8	Sequence 8, App1
c 23	18	1.0	4527	US-08-353-362-8	Sequence 8, App1
c 24	18	1.0	8930	US-09-077-098A-1	Sequence 1, App1
c 25	18	1.0	17000	US-09-679-299A-18	Sequence 18, App1
c 26	18	1.0	72604	US-09-268-992-7	Sequence 7, App1
c 27	18	1.0	72604	US-09-657-474-7	Sequence 7, App1

c 28	18	1.0	99500	US-09-798-096-10	Sequence 10, App1
c 29	17	0.9	157	US-08-392-678-11	Sequence 11, App1
c 30	17	0.9	157	US-08-457-304A-11	Sequence 11, App1
c 31	17	0.9	157	US-08-456-701A-11	Sequence 11, App1
c 32	17	0.9	157	US-08-684-932A-11	Sequence 11, App1
c 33	17	0.9	426	US-09-328-352-2225	Sequence 2225, App
c 34	17	0.9	590	US-09-364-206-25	Sequence 25, App1
c 35	17	0.9	659	US-08-454-115-1	Sequence 1, App1
c 36	17	0.9	831	US-08-450-834-5	Sequence 5, App1
c 37	17	0.9	981	US-09-134-001C-982	Sequence 982, App
c 38	17	0.9	1017	US-09-328-475C-104	Sequence 104, App
c 39	17	0.9	1242	US-08-454-115-4	Sequence 4, App1
c 40	17	0.9	2196	US-08-313-274-1	Sequence 1, App1
c 41	17	0.9	2389	US-09-228-986-1	Sequence 1, App1
c 42	17	0.9	2427	US-08-490-099-1	Sequence 1, App1
c 43	17	0.9	2920	US-08-976-259-10	Sequence 10, App1
c 44	17	0.9	3247	US-08-718-388-4	Sequence 4, App1
c 45	17	0.9	3661	US-08-718-388-5	Sequence 5, App1
c 46	17	0.9	3675	US-08-793-331-5	Sequence 5, App1
c 47	17	0.9	5128	US-09-364-206-1	Sequence 1, App1
c 48	17	0.9	6792	US-09-374-454-20	Sequence 20, App1
c 49	17	0.9	7824	US-08-718-388-6	Sequence 6, App1
c 50	17	0.9	13857	US-09-620-312D-75	Sequence 75, App1
c 51	17	0.9	15202	US-08-922-635-21	Sequence 21, App1
c 52	17	0.9	15328	US-08-888-497-33	Sequence 33, App1
c 53	17	0.9	15328	US-09-362-220-33	Sequence 33, App1
c 54	17	0.9	15328	PCT-US94-07926-33	Sequence 33, App1
c 55	17	0.9	16382	US-08-718-388-8	Sequence 8, App1
c 56	17	0.9	36519	US-08-923-137-2	Sequence 2, App1
c 57	17	0.9	46718	US-09-816-093-3	Sequence 3, App1
c 58	17	0.9	64467	US-08-803-671B-3	Sequence 3, App1
c 59	17	0.9	1664976	US-08-916-421B-1	Sequence 1, App1
c 60	16	0.9	20	US-09-705-299-79	Sequence 79, App1
c 61	16	0.9	47	US-09-671-317-654	Sequence 654, App
c 62	16	0.9	51	US-09-046-247-45	Sequence 45, App1
c 63	16	0.9	89	US-08-379-482A-3	Sequence 3, App1
c 64	16	0.9	154	US-09-016-434-1001	Sequence 1001, App
c 65	16	0.9	219	US-09-328-352-2419	Sequence 2419, App
c 66	16	0.9	249	US-09-280-116-75	Sequence 75, App1
c 67	16	0.9	273	US-09-313-294A-3072	Sequence 3072, App
c 68	16	0.9	430	US-08-466-033-27	Sequence 27, App1
c 69	16	0.9	430	US-08-444-733-27	Sequence 27, App1
c 70	16	0.9	430	US-08-464-134-27	Sequence 27, App1
c 71	16	0.9	430	US-08-461-361-27	Sequence 27, App1
c 72	16	0.9	430	US-08-485-910-27	Sequence 27, App1
c 73	16	0.9	441	US-08-856-253-1	Sequence 1, App1
c 74	16	0.9	495	US-09-328-352-1407	Sequence 1407, App
c 75	16	0.9	581	US-09-671-545A-1	Sequence 1, App1
c 76	16	0.9	622	US-09-385-982-189	Sequence 189, App
c 77	16	0.9	630	US-09-328-352-799	Sequence 799, App
c 78	16	0.9	658	US-09-671-545A-2	Sequence 2, App1
c 79	16	0.9	695	US-09-040-984-39	Sequence 39, App1
c 80	16	0.9	695	US-09-123-912-39	Sequence 39, App1
c 81	16	0.9	695	US-09-643-597-39	Sequence 39, App1
c 82	16	0.9	695	US-09-480-884A-39	Sequence 39, App1
c 83	16	0.9	695	US-09-542-615A-39	Sequence 39, App1
c 84	16	0.9	695	US-09-606-421B-39	Sequence 39, App1
c 85	16	0.9	716	US-08-991-789A-37	Sequence 37, App1
c 86	16	0.9	716	US-09-062-451-37	Sequence 37, App1
c 87	16	0.9	716	US-09-598-326-37	Sequence 37, App1
c 88	16	0.9	716	US-09-289-198-37	Sequence 37, App1
c 89	16	0.9	750	US-09-134-001C-2193	Sequence 2193, App
c 90	16	0.9	753	US-09-484-970B-108	Sequence 86, App1
c 91	16	0.9	792	US-09-221-017B-18	Sequence 104, App
c 92	16	0.9	801	US-09-134-001C-2409	Sequence 2409, App
c 93	16	0.9	801	US-09-252-991A-698	Sequence 698, App
c 94	16	0.9	806	US-08-936-165A-6	Sequence 6, App1
c 95	16	0.9	849	US-08-856-253-3	Sequence 3, App1
c 96	16	0.9	870	US-09-107-532A-3515	Sequence 3515, App
c 97	16	0.9	921	US-09-252-991A-3020	Sequence 3020, App
c 98	16	0.9	1001	US-09-641-638-620	Sequence 620, App
c 99	16	0.9	1001	US-09-641-638-621	Sequence 621, App
c 100	16	0.9	1001	US-09-671-317-161	Sequence 161, App

ALIGNMENTS

RESULT 1

US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Reiter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match 61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAATAAAGAGCGCTGCTGACTTACCATGTGAGCCACACATCTGCTGAATG 156
DB 1770 AGGTGAATAAAGAGCGCTGCTGACTTACCATGTGAGCCACACATCTGCTGAATG 1711
QY 157 GAGATATTAACACTCACTAAGAACAGCAGATGACATTAATGCTAACTAGTACATG 216
DB 1710 GAGATATTAACACTCACTAAGAACAGCAGATGACATTAATGCTAACTAGTACATG 1651
QY 217 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGAGACAAAAGGAACA 276
DB 1650 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGAGACAAAAGGAACA 1591
QY 277 CAGAGATCCCTGGAGAAATGCCGCCCATCTTGGTCAATGATGAGCCCTGCCCCG 336
DB 1590 CAGAGATCCCTGGAGAAATGCCGCCCATCTTGGTCAATGATGAGCCCTGCCCCG 1531
QY 337 TGGCTGGTCCCGTTGTGAGGGAAGCATTTAGAAATGATGATGCTTCTTAAAG 396
DB 1530 TGGCTGGTCCCGTTGTGAGGGAAGCATTTAGAAATGATGATGCTTCTTAAAG 1471
QY 397 ATGGGAGGAAAACAGATCCTGTTGATATTTATTTGAACGGGATTCAGATTGAAA 456
DB 1470 ATGGGAGGAAAACAGATCCTGTTGATATTTATTTGAACGGGATTCAGATTGAAA 1411
QY 457 TGAAGTCACAAAGTGAAGATTTACCAATGAGAGGAAAACAGAGAAAATCTTGAGGCT 516
DB 1410 TGAAGTCACAAAGTGAAGATTTACCAATGAGAGGAAAACAGAGAAAATCTTGAGGCT 1351
QY 517 TCACAAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATG 576
DB 1350 TCACAAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATG 1291
QY 577 GAGGAGATTAACCGGGGGGAGGAGGATTCAGGATTCGCTGCTTAACGCTGCGTT 636
DB 1290 GAGGAGATTAACCGGGGGGAGGAGGATTCAGGATTCGCTGCTTAACGCTGCGTT 1231

QY 637 CATACCAATATCATTTATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCTGATCT 696
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QY 697 CTACGGTCTCTTGCGCCCAACATCTCCATATATCCAGCCACACTCATTTTAAAT 756
DB 1170 CTACGGTCTCTTGCGCCCAACATCTCCATATATCCAGCCACACTCATTTTAAAT 1111
QY 757 TAGTCCAGATCTGACGTGACCTTTCACACTGAGAAATACATTTACTGTTGTT 816
DB 1110 TAGTCCAGATCTGACGTGACCTTTCACACTGAGAAATACATTTACTGTTGTT 1051
QY 817 CAAAGACCTTCTGCTGCTGCTGCTTAATATGATGATGATGATGATGATGATG 876
DB 1050 CAAAGACCTTCTGCTGCTGCTGCTTAATATGATGATGATGATGATGATGATG 991
QY 877 GGGCCAGGGGATCTGGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTAT 936
DB 990 GGGCCAGGGGATCTGGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTAT 931
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DB 930 ACTAGACACAGATGATCTATTCAGGAGTGAATTAATCTATCAACATTCCTCAGTGC 871
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QY 1057 ATTCATTAATCAACAGATTTACTTTTTCAGTGAAGATTAATCAATTTACTACT 1116
DB 810 ATTCATTAATCAACAGATTTACTTTTTCAGTGAAGATTAATCAATTTACTACT 751
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DB 750 GCAGTATGGAATTAATTAATTTTTCAGTGAAGATTAATCAATTTACTACT 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTGAAGATTAATCAATTTACTACT 1236
DB 690 ATCCCTCCCTTTGTTGATTTTTCAGTGAAGATTAATCAATTTACTACT 631
QY 1237 GAGGCTGTATACGC 1251
DB 630 GAGGCTGTATACGC 616

RESULT 2

US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470

Query Match 61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1770	AGGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATG	1711
OY	157	GAGATTAATTACATCTACTAGAAACAGCAAGATGCAATATTAATGCTTAAGTAGACATG	216
Db	1710	GAGATTAATTACATCTACTAGAAACAGCAAGATGCAATATTAATGCTTAAGTAGACATG	1651
OY	217	TTTTTGACATTTCTCAGCCCTTTTAAATATCCACACACAGGAAGCCAAAGAGAGCA	276
Db	1650	TTTTTGACATTTCTCAGCCCTTTTAAATATCCACACACAGGAAGCCAAAGAGAGCA	1591
OY	277	CAGAGATCCCTGGAGAAATGCCGCCCATCTTGGGTCATGATGAGCTCCGCCGTG	336
Db	1590	CAGAGATCCCTGGAGAAATGCCGCCCATCTTGGGTCATGATGAGCTCCGCCGTG	1531
OY	337	TGCGTGGGCCCGCTTGAGGAGGAGCAATAGAAATGATTTGATGTCCTTTAAAG	396
Db	1350	TGCGTGGGCCCGCTTGAGGAGGAGCAATAGAAATGATTTGATGTCCTTTAAAG	1471
OY	397	ATGGGCAAGAAACAGATCCGTGTGGATTTATTTTGAACGGGATTACAGATTGAAA	456
Db	1470	ATGGGCAAGAAACAGATCCGTGTGGATTTATTTTGAACGGGATTACAGATTGAAA	1411
OY	457	TGAAGTCACAAAGTGAGCATTACCAATGAGAGAAAACAGACGAGAAATCTTATGAGCT	516
Db	1410	TGAAGTCACAAAGTGAGCATTACCAATGAGAGAAAACAGACGAGAAATCTTATGAGCT	1351
OY	517	TCACAAGCATGCAACAACAATAATGCAATCTGTGATGACATAGAGCAGCCAGCTGGG	576
Db	1350	TCACAAGCATGCAACAACAATAATGCAATCTGTGATGACATAGAGCAGCCAGCTGGG	1291
OY	577	GAGAGATTAACACAGGGGACAGAGGTCAGATTTGTGGCCCTGCTCCCTAACTGGCTT	636
Db	1290	GAGAGATTAACACAGGGGACAGAGGTCAGATTTGTGGCCCTGCTCCCTAACTGGCTT	1231
OY	637	CATAACCAATCATTTCAATTTCTTAACCTCAAAACAAAGCTGTGATATCTGATCT	696
Db	1230	CATAACCAATCATTTCAATTTCTTAACCTCAAAACAAAGCTGTGATATCTGATCT	1171
OY	697	CTAGGGTTCCTTGGGGCCCAACATTCCTCCATATTCAGGCACACATCTTTTAATAT	756
Db	1170	CTAGGGTTCCTTGGGGCCCAACATTCCTCCATATTCAGGCACACATCTTTTAATAT	1111
OY	757	TAGTTCCAGATCTGTACTGTGACCTTCTCACTGTAGATTAACATTAATCATTTGGT	816
Db	1110	TAGTTCCAGATCTGTACTGTGACCTTCTCACTGTAGATTAACATTAATCATTTGGT	1051
OY	817	CAAGACCCCTCGTGTGCTGCCATATATGTAGCTGCTTTTTTCTTAAGAGTGTTCT	876
Db	1050	CAAGACCCCTCGTGTGCTGCCATATATGTAGCTGCTTTTTTCTTAAGAGTGTTCT	991
OY	877	GGCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCAGGGTATACT	936
Db	990	GGCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCAGGGTATACT	931
OY	937	ACTAGACACAGCATGATCATTTAGGAGTGAATATCATTAACAATCATCATCTAGTGC	996
Db	930	ACTAGACACAGCATGATCATTTAGGAGTGAATATCATTAACAATCATCATCTAGTGC	871
OY	997	TTTGCCCATCTGAAATTCATTTCCCATTTTGTGCCATTTCTCAAGACCTCAAAATGTC	1056
Db	870	TTTGCCCATCTGAAATTCATTTCCCATTTTGTGCCATTTCTCAAGACCTCAAAATGTC	811
OY	1057	ATTCCATTAATATACAGAGATTACTTTTTTTTAACTGTGAAGAAATTCAGTGTACAT	1116
Db	810	ATTCCATTAATATACAGAGATTACTTTTTTTTAACTGTGAAGAAATTCAGTGTACAT	751
OY	1117	GCAGCTATGGAAATTTAATTTACATATTTTGTTCACAGTGAAGATGACATAGCTGTT	1176
Db	750	GCAGCTATGGAAATTTAATTTACATATTTTGTTCACAGTGAAGATGACATAGCTGTT	691
OY	1177	ATCCCTCCCTCTGTGTGATTTTTTTTCCAGATTAAGTTAAAGTGTAGCCTTGACT	1236

Accession	Sequence	Position
Db	ATCCCTCCCTCTTTGATTTTTCAGTAAAGTTAAAGCTTACCTTGACT	6311
QY	GAGGCTGTATACAGC	1251
Db	GAGGCTGTATACAGC	616

RESULT 3
US-09-43

US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6320505

; PALENC NO. 0329303
; GENERAL INFORMATION

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David

APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang Yuqi
APPLICANT: Boob Stover C

APPLICANT: Kalos, Michael

```

; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark

```

APPLICANT: Solk, John
APPLICANT: Day, Craig

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.427C9

;; CURRENT APPLICATION NUMBER: US/09/439,313
;; CURRENT FILING DATE: 1999-11-12

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; NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Ver 1.0.0
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SEQ ID NO 468
LENGTH: 3113

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      LENGTH: 5112
      TYPE: DNA

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US-09-439-313-468

Query Match

Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155. Conservative 0. Mismatches 0. Indels 0.

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Db 1312 AGGTGGAATATAGAAAGGCTGACTTTACCAICTGAGGCCACACACTGCTGGAATG 1371

157 GAGATAATTAACTACTAGAAACAGCAGATGACATATATGTCTAGTACGACATG 216

Db 1372 GAGATATTACATCACTAGAAACAGCAAGATGACATATTAATGTTCTAAGTAGTGACATG 1431

217 TTTTGCACATTCAGCCCCCTTAATATCCACACACACAGSAGCACAAGGAAGCA 276

Db 1432 TTTTTCGACATTTTCAGCCCTTTAAATATCCACACACAGGAGCAGAAAAGGAGCA 1491

09 **277** CAGCAGATCCCGGCGGACGAATACTTCGGCCCCCGGCCAATTCCGACGCACGCGCCCCTCCG 336

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

DB 1492 CAGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTCAATCGATGAGCCCTGCCCTG 1551

337 TGCCTGCTCCCCGCTTGCTGAGGGAAGACATTAGAAATGAATTGATGTGCTCCCTTAAGC 396

Db 1552 TGCCGTGTCGCCCTGTGAGGAGGACATTGAAATGATTCATGTGTTCTTAAGG 1611

397 ATGGGCAAGAAACACAGATCCCTGTTGTGATATTTATTGACGGGATTACAGATTGAAA 456

Db 1612 ATGGG CAGAAACAGATCCGTGTGGATATTTATTGAA CGGATTACAGATTTGAAA 1671

457 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAAATCTTGATGGCT 516

1672 TGAAGTCACAAAGTCAGCATTTACCAATGAGAGAGCAAAACAGAGCAGAAATCTCTTCAATGGCT 1731

[illegible]

51 TCACAGACATGCCAACCAACCAAAATGGAAIACIGTATGACATGAGGCACGCCAACTGGG 5/6

Db 1732 TCACAGACATGCACACAAATGGAATACTGTGATGACATGAGGCGAGCCAAAGCTGGG 1791

Db 2332 GCACGTATGGAATTAATACATATTGTTTCAGATGCAAGATGACTAAGCTTT 2391
Qy 1177 ATCCCTCCCTTTTGTGATTTTTTTCAGATTAAGTTAAATGCTTACCTTGACT 1236
Db 2392 ATCCCTCCCTTTTGTGATTTTTTTCAGATTAAGTTAAATGCTTACCTTGACT 2451
Qy 1237 GAGCTGTATACAGC 1251
Db 2452 GAGCTGTATACAGC 2466

RESULT 5
US-09-439-313-469/c
: Sequence 469, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jlangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang Yugu
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Retter, Mark
: APPLICANT: Solk, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C9
: CURRENT APPLICATION NUMBER: US/09/439, 313
: CURRENT FILING DATE: 1999-11-12
: NUMBER OF SEQ ID NOS: 575
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-439-313-469

Query Match 55.2%; Score 1034; DB 4; Length 2229;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 97 AGGTGAGAAATTAAGAAAGGCTGCTGACTTACCATCTGAGCCACACATCTGCTGAATG 156
Db 1776 AGGTGAGAAATTAAGAAAGGCTGCTGACTTACCATCTGAGCCACACATCTGCTGAATG 1717
Qy 157 GAGATTAATTAACATCACTAGAAACAGCAAGATGACAAATATATATGCTTAAGTAGACATG 216
Db 1716 GAGATTAATTAACATCACTAGAAACAGCAAGATGACAAATATATATGCTTAAGTAGACATG 1657
Qy 217 TTTTGGACATTTCCAGCCCTTTAAATATCCACACACAGAAAGCAAAAGGAAGCA 276
Db 1656 TTTTGGACATTTCCAGCCCTTTAAATATCCACACACAGAAAGCAAAAGGAAGCA 1597
Qy 277 CAGAGATCCCTGGGAGAAATCCCGGCCCATCTTGCGTATGATGAGCTCGCCCTG 336
Db 1596 CAGAGATCCCTGGGAGAAATCCCGGCCCATCTTGCGTATGATGAGCTCGCCCTG 1537
Qy 337 TGCCGTGCTCCGCTTGAGGGAAGACATAGAAATGAATGATGCTTCTTAAGG 396
Db 1536 TGCCGTGCTCCGCTTGAGGGAAGACATAGAAATGAATGATGCTTCTTAAGG 1477
Qy 397 ATGGGAGGAAACAGATCTGTTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 456
Db 1476 ATGGGAGGAAACAGATCTGTTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 1417
Qy 457 TGAAGTCAAAAGTGAAGATTAACATGAGAGGAAACAGCGAAGAAATCTTGATGCT 516
Db 1416 TGAAGTCAAAAGTGAAGATTAACATGAGAGGAAACAGCGAAGAAATCTTGATGCT 1357
Qy 517 TCACAAGACATGCAACAAACAAATGAATGAACTGTGATGATGAGGACGCAAGCTGG 576

Db 1356 TCACAAGACATGCAACAAACAAATGAATGAACTGTGATGATGAGGACGCAAGCTGG 1297
Qy 577 GAGAGATTAACACAGGGGAGAGGTCAGATTCCTGCGCTGCTCAACCTGCGCT 636
Db 1296 GAGAGATTAACACAGGGGAGAGGTCAGATTCCTGCGCTGCTCAACCTGCGCT 1237
Qy 637 CATACCAATATCATTTATTTCTAACCCTCAAAACAAAGCTGTGTAATATGATCT 696
Db 1236 CATACCAATATCATTTATTTCTAACCCTCAAAACAAAGCTGTGTAATATGATCT 1177
Qy 697 CTAGGTTCTCTTGGGCCCCAATCTCATATATCAGCAGACATCATTTTAAATTT 756
Db 1176 CTAGGTTCTCTTGGGCCCCAATCTCATATATCAGCAGACATCATTTTAAATTT 1117
Qy 757 TAGTCCAGATCTGTACTGTGACCTTTTACACTGTAGAAATTAACATTAATTTGTT 816
Db 1116 TAGTCCAGATCTGTACTGTGACCTTTTACACTGTAGAAATTAACATTAATTTGTT 1057
Qy 817 CAAGACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 876
Db 1056 CAAGACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 997
Qy 877 GGCCAGGAGATCTGTGACAGGCTGGGAACATCTCAAGATCTTCCAGGGTTACTT 936
Db 996 GGCCAGGAGATCTGTGACAGGCTGGGAACATCTCAAGATCTTCCAGGGTTACTT 937
Qy 937 ACTAGCACACAGATGATCATTTACGAGTGAATATCTAATCAACATCATCTCAGTGC 996
Db 936 ACTAGCACACAGATGATCATTTACGAGTGAATATCTAATCAACATCATCTCAGTGC 877
Qy 997 TTTGCCATATGAAATTCATTTCCACTTTTGCCCATTCCTCAAGCCCAAAAGTGC 1056
Db 876 TTTGCCATATGAAATTCATTTCCACTTTTGCCCATTCCTCAAGCCCAAAAGTGC 817
Qy 1057 ATTCATTAATATACAGAGATTAATTTTAACTTTTAACTGGAAGATTAATTAAT 1116
Db 816 ATTCATTAATATACAGAGATTAATTTTAACTTTTAACTGGAAGATTAATTAAT 758
Qy 1117 GCACGTATGGAATTAATTAATTTGTTTCCAGTGCAGAAAGATGACTAAGTCTT 1176
Db 757 GCACGTATGGAATTAATTAATTTGTTTCCAGTGCAGAAAGATGACTAAGTCTT 698
Qy 1177 ATCCCTCCCTTTTGTGATTTTTTCCAGTATTAAGTTAAATGCTTACCTTGACT 1236
Db 697 ATCCCTCCCTTTTGTGATTTTTTCCAGTATTAAGTTAAATGCTTACCTTGACT 638
Qy 1237 GAGCTGTATACAGC 1251
Db 637 GAGCTGTATACAGC 623

RESULT 6
US-09-352-616A-469/c
: Sequence 469, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Xu, Jlangchun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
: FILE REFERENCE: 210121.427C8
: CURRENT APPLICATION NUMBER: US/09/352, 616A
: CURRENT FILING DATE: 1999-07-13
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens

US-09-352-616A-469

Query Match 55.2%; Score 1034; DB 4; Length 2229;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1154; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 97 AGGTGAGAAATTAAGAAAGGCTGCTGACTTAACTCTGAGGCGCACATCTGCTGAATG 156
 DB 1776 AGGTGAGAAATTAAGAAAGGCTGCTGACTTAACTCTGAGGCGCACATCTGCTGAATG 1717
 QY 157 GAGTATTAATTAACATCTAGAAACAGCAAGATGCAATATATATCTTAAGTGAATG 216
 DB 1716 GAGTATTAATTAACATCTAGAAACAGCAAGATGCAATATATATCTTAAGTGAATG 1657
 QY 217 TTTTGGACATTTCCAGCCCTTTAAATATCCACACACAGAGAGACAAAAGAGCA 276
 DB 1656 TTTTGGACATTTCCAGCCCTTTAAATATCCACACACAGAGAGACAAAAGAGCA 1597
 QY 277 CAGAGATCCCTGGGAGAAATGCCCGGCCATCTTGGTTCATGATGAGCCTGCCCTG 336
 DB 1596 CAGAGATCCCTGGGAGAAATGCCCGGCCATCTTGGTTCATGATGAGCCTGCCCTG 1537
 QY 337 TGGCTGGTCCCGCTTGAGAGGAAAGCAATTAAGAAATGAATGATGTCTCTTAAGG 396
 DB 1536 TGGCTGGTCCCGCTTGAGAGGAAAGCAATTAAGAAATGAATGATGTCTCTTAAGG 1477
 QY 397 ATGGGAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 456
 DB 1476 ATGGGAGAGAAACAGATCCTGTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 1417
 QY 457 TGAAGTCACAAAGTACATTTACCAATGAGAGGAAACAGAGAAATCTTGATGGCT 516
 DB 1416 TGAAGTCACAAAGTACATTTACCAATGAGAGGAAACAGAGAAATCTTGATGGCT 1357
 QY 517 TCACAAACATGCAACAAACAAATGATGATCTGTGATGATGAGGAGAGAGAGAGAG 576
 DB 1356 TCACAAACATGCAACAAACAAATGATGATCTGTGATGATGAGGAGAGAGAGAGAG 1297
 QY 577 GAGGAGATTAACACAGGGGCGAGAGGAGGATCTGGCCCTGCTTAACCTGTGGCT 636
 DB 1296 GAGGAGATTAACACAGGGGCGAGAGGAGGATCTGGCCCTGCTTAACCTGTGGCT 1237
 QY 637 CATRACCAATCATTTATTTCTTAACCTCAAAACAAAGCTGTTTAATATCTGATCT 686
 DB 1236 CATRACCAATCATTTATTTCTTAACCTCAAAACAAAGCTGTTTAATATCTGATCT 1177
 QY 697 CTAGAGTTCCTTGCGGCCCAACATTTCTCATATATCCAGCCACATCTTTTAATAT 756
 DB 1176 CTAGAGTTCCTTGCGGCCCAACATTTCTCATATATCCAGCCACATCTTTTAATAT 1117
 QY 757 TACTGCCAGATCTGATCTGTGACCTTCTACACTGTAGAAATAACATTAATCTAT 816
 DB 1116 TACTGCCAGATCTGATCTGTGACCTTCTACACTGTAGAAATAACATTAATCTAT 1057
 QY 817 CAAGAAGCCCTGCGTGGTCTGCTTAATATGATGATCTTTTCTTAAGAGAGTCTCT 876
 DB 1056 CAAGAAGCCCTGCGTGGTCTGCTTAATATGATGATCTTTTCTTAAGAGAGTCTCT 997
 QY 877 GGCCCAAGGAGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGATATCT 936
 DB 996 GGCCCAAGGAGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGATATCT 937
 QY 937 ACTAGACACAGCATGATCTTAAGAGATGATTAATCTAATCAACATCATCTCAGTCTC 966
 DB 936 ACTAGACACAGCATGATCTTAAGAGATGATTAATCTAATCAACATCATCTCAGTCTC 877
 QY 997 TTTGGCCCATCTGAATTTCAATTTCCCACTTTTGTGCCATTTCTCAAGACTCAAAATGTC 1056
 DB 876 TTTGGCCCATCTGAATTTCAATTTCCCACTTTTGTGCCATTTCTCAAGACTCAAAATGTC 817
 QY 1057 ATTCATTAATATCACAGATTAACCTTTTCTTAACCTGGAAGAAATCAATGTTATCAT 1116
 DB 816 ATTCATTAATATCACAGATTAAC-TTTTTTTAACTGGAAGAAATCAATGTTATCAT 758

QY 1117 GCACCTATGGGAATTTAATATACATATTTGTTTTCCAGTCAAGATGACTAAGTCTTT 1176
 DB 757 GCACCTATGGGAATTTAATATACATATTTGTTTTCCAGTCAAGATGACTAAGTCTTT 698
 QY 1177 ATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGTTAAATGCTTAGCTTAGCT 1236
 DB 697 ATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGTTAAATGCTTAGCTTAGCT 638
 QY 1237 GAGGCTGTATACAGC 1251
 DB 637 GAGGCTGTATACAGC 623

RESULT 7

US-09-439-313-471/C
 ; Sequence 471, Application US/09439313
 ; Patent No. 6329505
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan Louise
 ; APPLICANT: Jiang Yuqi
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Kalos, Michael
 ; APPLICANT: Fanger, Gary
 ; APPLICANT: Retter, Mark
 ; APPLICANT: Solk, John
 ; APPLICANT: Day, Craig
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 ; FILE REFERENCE: 210121.427C9
 ; CURRENT APPLICATION NUMBER: US/09/439,313
 ; CURRENT FILING DATE: 1999-11-12
 ; NUMBER OF SEQ ID NOS: 575
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-439-313-471

Query Match 43.4%; Score 812; DB 4; Length 812;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATGAGAAACAGAGGAGATTTGTGTGCTGACAGCCGAGAGAGACAGAGAA 65
 DB 812 CTGGCATGAGAAACAGAGGAGATTTGTGTGCTGACAGCCGAGAGAGACAGAGAA 753
 QY 66 TCTGCATGTGGGAGAGACCTGATGATACAGAGTGAAGAAATGAAGGCTGCTACTT 125
 DB 752 TCTGCATGTGGGAGAGACCTGATGATACAGAGTGAAGAAATGAAGGCTGCTACTT 693
 QY 126 TACCATCTGAGGCCACACATCTGCTGAATGAGATTAATTAACATCATAGAAACGCA 185
 DB 692 TACCATCTGAGGCCACACATCTGCTGAATGAGATTAATTAACATCATAGAAACGCA 633
 QY 186 GATGACAATATATGCTAAGTATGATGACATGTTTTGGCACATTTCCAGCCCTTAATA 245
 DB 632 GATGACAATATATGCTAAGTATGATGACATGTTTTGGCACATTTCCAGCCCTTAATA 573
 QY 246 TCCACACACAGAGAGACAAAGAGAGACAGAGATCCCTGGAGAAATGCCGCCG 305
 DB 572 TCCACACACAGAGAGAGACAAAGAGAGACAGAGATCCCTGGAGAAATGCCGCCG 513
 QY 306 CCATCTTGGGTATCATGATGAGCCCTGCTGTGCTGCTGCCCTTGTGAGGAGAGACA 365
 DB 512 CCATCTTGGGTATCATGATGAGCCCTGCTGTGCTGCTGCCCTTGTGAGGAGAGACA 453
 QY 366 TTGAGAAATGAATGATGTGTCTCTTAAGAGATGGGACAGAAACAGATCCGTGTGGA 425

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439.313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 287
LENGTH: 301
TYPE: DNA
ORGANISM: Homo sapien
US-09-439-313-287

Query Match
Best Local Similarity 9.6%; Score 179; DB 4; Length 301;
Matches 229; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 472 AGCATTAACCAATGAGAGAAAACAGACGAGAAATCTTGATGCTTCAACAGATGCAA 531
|||||
DB 301 AGCATTAACCAATGAGAGAAAACAGACGAGAAATCTTGATGCTTCAACAGATGCAA 242
QY 532 CAACCAAAATGGAATGATCTGTATACATGAGCCCAAGCTGGGGAGAGATTAACCCAG 591
|||||
DB 241 CAACCAAAATGGAATGATCTGTATACATGAGCCCAAGCTGGGGAGAGATTAACCCAG 182
QY 592 GGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACGTGCTTCATTAACCAATCATTT 651
|||||
DB 181 GGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACGTGCTTCATTAACCAATCATTT 122
QY 652 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 701
|||||
DB 121 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 72

RESULT 13
US-09-352-616A-287/c
Sequence 287, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352.616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 287
LENGTH: 301
TYPE: DNA
ORGANISM: Homo sapien
US-09-352-616A-287

Query Match
Best Local Similarity 9.6%; Score 179; DB 4; Length 301;
Matches 229; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 472 AGCATTAACCAATGAGAGAAAACAGACGAGAAATCTTGATGCTTCAACAGATGCAA 531

|||||
DB 301 AGCATTAACCAATGAGAGAAAACAGACGAGAAATCTTGATGCTTCAACAGATGCAA 242
QY 532 CAACCAAAATGGAATGATCTGTATACATGAGCCCAAGCTGGGGAGAGATTAACCCAG 591
|||||
DB 241 CAACCAAAATGGAATGATCTGTATACATGAGCCCAAGCTGGGGAGAGATTAACCCAG 182
QY 592 GGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACGTGCTTCATTAACCAATCATTT 651
|||||
DB 181 GGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACGTGCTTCATTAACCAATCATTT 122

RESULT 14
US-09-232-149A-287/c
Sequence 287, Application US/09232149A
Patent No. 6465611
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
FILE REFERENCE: 210121.427C6
CURRENT APPLICATION NUMBER: US/09/232.149A
CURRENT FILING DATE: 1999-01-15
NUMBER OF SEQ ID NOS: 338
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 287
LENGTH: 301
TYPE: DNA
ORGANISM: Homo sapien
US-09-232-149A-287

Query Match
Best Local Similarity 9.6%; Score 179; DB 4; Length 301;
Matches 229; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 472 AGCATTAACCAATGAGAGAAAACAGACGAGAAATCTTGATGCTTCAACAGATGCAA 531
|||||
DB 301 AGCATTAACCAATGAGAGAAAACAGACGAGAAATCTTGATGCTTCAACAGATGCAA 242
QY 532 CAACCAAAATGGAATGATCTGTATACATGAGCCCAAGCTGGGGAGAGATTAACCCAG 591
|||||
DB 241 CAACCAAAATGGAATGATCTGTATACATGAGCCCAAGCTGGGGAGAGATTAACCCAG 182
QY 592 GGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACGTGCTTCATTAACCAATCATTT 651
|||||
DB 181 GGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACGTGCTTCATTAACCAATCATTT 122
QY 652 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 701
|||||
DB 121 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 72

RESULT 15
US-09-620-312D-791
Sequence 791, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Weinman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong

```
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: PL_FL_genes Version 1.0
; SEQ ID NO 791
; LENGTH: 1379
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (109)..(789)
US-09-620-312D-791
```

Query Match 1.4%; Score 26; DB 4; Length 1379;

Best Local Similarity 100.0%; Pred. No. 0.0066; Mismatches 0; Indels 0; Gaps 0;

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QY 977 TCAACATCATCCTCAGTGTCTTGCC 1002
Db 335 TCAACATCATCCTCAGTGTCTTGCC 360
|||||
```

RESULT 16

US-09-620-312D-788

Sequence 788, Application US/09620312D

Patent No. 6569662

GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom

APPLICANT: Liu, Chenghua

APPLICANT: Asundi, Vinod

APPLICANT: Zhang, Jie

APPLICANT: Ren, Feiyan

APPLICANT: Chen, Rui-hong

APPLICANT: Zhao, Qing A.

APPLICANT: Wehrman, Tom

APPLICANT: Xue, Aildong J.

APPLICANT: Yang, Yonghong

APPLICANT: Wang, Jian-Rui

APPLICANT: Zhou, Ping

APPLICANT: Ma, Yungqing

APPLICANT: Wang, Dunrui

APPLICANT: Wang, Zhiwei

APPLICANT: John Tillinghast

APPLICANT: Drmanac, Radoje T.

TITLE OF INVENTION: No. 6569662el Nucleic Acids and

FILE REFERENCE: 784CIP2B

CURRENT APPLICATION NUMBER: US/09/620,312D

CURRENT FILING DATE: 2000-07-19

PRIOR APPLICATION NUMBER: 09/552,317

PRIOR FILING DATE: 2000-04-25

PRIOR APPLICATION NUMBER: 09/488,725

PRIOR FILING DATE: 2000-01-21

NUMBER OF SEQ ID NOS: 1105

SOFTWARE: PL_FL_genes Version 1.0

SEQ ID NO 788

LENGTH: 1462

TYPE: DNA

ORGANISM: Homo sapiens

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; FEATURE:
; NAME/KEY: CDS
; LOCATION: (109)..(915)
US-09-620-312D-788
```

Query Match

Best Local Similarity 100.0%; Pred. No. 0.0066; Mismatches 0; Indels 0; Gaps 0;

```
QY 977 TCAACATCATCCTCAGTGTCTTGCC 1002
Db 335 TCAACATCATCCTCAGTGTCTTGCC 360
|||||
```

RESULT 17

US-09-620-312D-789

Sequence 789, Application US/09620312D

Patent No. 6569662

GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom

APPLICANT: Liu, Chenghua

APPLICANT: Asundi, Vinod

APPLICANT: Zhang, Jie

APPLICANT: Ren, Feiyan

APPLICANT: Chen, Rui-hong

APPLICANT: Zhao, Qing A.

APPLICANT: Wehrman, Tom

APPLICANT: Xue, Aildong J.

APPLICANT: Yang, Yonghong

APPLICANT: Wang, Jian-Rui

APPLICANT: Zhou, Ping

APPLICANT: Ma, Yungqing

APPLICANT: Wang, Dunrui

APPLICANT: Wang, Zhiwei

APPLICANT: John Tillinghast

APPLICANT: Drmanac, Radoje T.

TITLE OF INVENTION: No. 6569662el Nucleic Acids and

FILE REFERENCE: 784CIP2B

CURRENT APPLICATION NUMBER: US/09/620,312D

CURRENT FILING DATE: 2000-07-19

PRIOR APPLICATION NUMBER: 09/552,317

PRIOR FILING DATE: 2000-04-25

PRIOR APPLICATION NUMBER: 09/488,725

PRIOR FILING DATE: 2000-01-21

NUMBER OF SEQ ID NOS: 1105

SOFTWARE: PL_FL_genes Version 1.0

SEQ ID NO 789

LENGTH: 1519

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (109)..(972)

US-09-620-312D-789

Query Match

Best Local Similarity 100.0%; Pred. No. 0.0066; Mismatches 0; Indels 0; Gaps 0;

```
QY 977 TCAACATCATCCTCAGTGTCTTGCC 1002
Db 392 TCAACATCATCCTCAGTGTCTTGCC 417
|||||
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RESULT 18

US-08-916-421B-1

Sequence 1, Application US/08916421B

Patent No. 6503729

GENERAL INFORMATION:

APPLICANT: Bult et al.

TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methano

Patent No. 6503729

;; TITLE OF INVENTION: jannaschl
;; FILE REFERENCE: PB275
;; CURRENT APPLICATION NUMBER: US/08/916,421B
;; CURRENT FILING DATE: 1997-08-22
;; PRIOR APPLICATION NUMBER: US 60/024,428
;; PRIOR FILING DATE: 1996-08-22
;; NUMBER OF SEQ ID NOS: 3
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 1
;; LENGTH: 1664976
;; TYPE: DNA
;; ORGANISM: Methanococcus jannaschl
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (28222)..(28222)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
;; LOCATION: (28257)..(28258)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
;; LOCATION: (84773)..(84773)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
;; LOCATION: (84808)..(84808)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
;; LOCATION: (84812)..(84812)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
;; LOCATION: (98120)..(98120)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
;; LOCATION: (98159)..(98159)
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;; LOCATION: (98239)..(98239)
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;; LOCATION: (98266)..(98266)
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;; NAME/KEY: misc_feature
;; LOCATION: (103998)..(103998)
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;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g
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;; LOCATION: (163385)..(163385)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
;; LOCATION: (191989)..(191989)
;; OTHER INFORMATION: n equals a, t, c, or g
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;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
;; LOCATION: (234814)..(234814)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g

;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g
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;; OTHER INFORMATION: n equals a, t, c, or g
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;; LOCATION: (741684)..(741684)
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;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
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;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature
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;; NAME/KEY: misc_feature
;; LOCATION: (1313224)..(1313224)
;; OTHER INFORMATION: n equals a, t, c, or g
;; NAME/KEY: misc_feature

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LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1664854)..(1664854)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1
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Query Match 1.18; Score 20; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 740 CACTCATTTTATATTAG 759

Db 1520938 CACTCATTTTATATTAG 1520957

```
RESULT 19
US-08-834-3/C
Sequence 3, Application US/08450834
Patent No. 5773705
GENERAL INFORMATION:
APPLICANT: Vierstra, Richard D
APPLICANT: Hondred, David
APPLICANT: Callis, Judy
TITLE OF INVENTION: Ubiquitin Fusion Protein System for
TITLE OF INVENTION: Protein Production in Plants
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: P.O. Box 2113
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296, 92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
```

```
LENGTH: 161 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: UBQ-BT
FEATURE:
NAME/KEY: misc_feature
LOCATION: 4..9
OTHER INFORMATION: /function="Hind III restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 47..52
OTHER INFORMATION: /function="Bgl II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 58..64
OTHER INFORMATION: /product="Eae I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 110..116
OTHER INFORMATION: /function="Sac II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 146..152
OTHER INFORMATION: /function="Nsi I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 153..158
OTHER INFORMATION: /function="Sal I restriction site"
US-08-450-834-3
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Query Match 1.0%; Score 19; DB 1; Length 161;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 59 AGGAGATCTGATGTGG 77

Db 56 AGGAGATCTGATGTGG 38

```
RESULT 20
US-09-791-211-10
Sequence 10, Application US/09791211
Patent No. 6448080
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF WRN EXPRESSION
FILE REFERENCE: RTS-0205
CURRENT APPLICATION NUMBER: US/09/791,211
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 10
LENGTH: 98844
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: 24962
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 64383
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65468
OTHER INFORMATION: unknown
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NAME/KEY: unsure
LOCATION: 65469
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65470
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 65471
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 87130
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 89049
OTHER INFORMATION: unknown
OTHER INFORMATION: unknown
US-09-791-211-10

Query Match 1.0%; Score 19; DB 4; Length 98844;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1786 GTTGTCTCTGTACTTAAT 1804
|||||
Db 61321 GTTGTCTCTGTACTTAAT 61339

RESULT 21
US-08-663-112-1/c
Sequence 1, Application US/08663112
Patent No. 5849503
GENERAL INFORMATION:
APPLICANT: MAGATSUMA, Masako
APPLICANT: KURITA, No. 5849503iko
TITLE OF INVENTION: MUTANT PROTEINS OF HUMAN DNA
TITLE OF INVENTION: TOPOISOMERASE I
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner L.L.P.
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/663,112
FILING DATE: 26-NOV-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elnaudi, Carolyn P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 06609.1488-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4400
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3645 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 212..2506
OTHER INFORMATION: /label= Fmutant
US-08-663-112-1

Query Match 1.0%; Score 18; DB 2; Length 3645;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 974 TAATCAACATCATCTCTCA 991
|||||
Db 651 TAATCAACATCATCTCTCA 634

RESULT 22
US-08-944-449-8
Sequence 8, Application US/08944449
Patent No. 5985613
GENERAL INFORMATION:
APPLICANT: KURTH, REINHARD
APPLICANT: BAIER, MICHAEL
APPLICANT: METZNER, KARIN
APPLICANT: WERNER, ALBRECHT
TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of
FILE REFERENCE: 8341-7065
CURRENT APPLICATION NUMBER: US/08/944,449
CURRENT FILING DATE: 1997-10-06
EARLIER APPLICATION NUMBER: EP 95113013.2
EARLIER FILING DATE: 1995-08-18
EARLIER APPLICATION NUMBER: DE 195 13 152.5
EARLIER FILING DATE: 1995-04-07
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 8
LENGTH: 4527
TYPE: DNA
ORGANISM: Human immunodeficiency virus type 1
US-08-944-449-8

Query Match 1.0%; Score 18; DB 2; Length 4527;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 48 CGAGGAGAGCCAGGAGA 65
|||||
Db 489 CGAGGAGAGCCAGGAGA 506

RESULT 23
US-09-353-362-8
Sequence 8, Application US/09353362
Patent No. 6383739
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of viruses,
TITLE OF INVENTION: in particular of retroviruses
NUMBER OF SEQUENCES: 8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30B (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/353,362
FILING DATE: 15-JUL-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 195 13 152.5
FILING DATE: 07-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95113013.2
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KLESNER, Sharon N.

REGISTRATION NUMBER: 36,335
REFERENCE/DOCKET NUMBER: P8341-9012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-5000
TELEFAX: (202) 638-4810
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 4527 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-353-362-8

Query Match
Best Local Similarity 100.0%; Pred. No. 48;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 CGAGGAGACGAGGAGA 65
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DB 489 CGAGGAGACGAGGAGA 506

RESULT 24
US-09-077-098A-1
Sequence 1, Application US/09077098A
Patent No. 6544519
GENERAL INFORMATION:
APPLICANT: TOKUNAGA, Ei-ji
SAKAGUCHI, Masashi
MATSUO, Kazuo
HAMADA, Fukusaburo
TOKIYOSHI, Sachio
TITLE OF INVENTION: NOVEL POLYPEPTIDE FROM HAEMOPHILUS PARAGALLINARUM AND PROCESS FOR PREPARING THE SAME
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 624 Ninth Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,098A
FILING DATE: 19-May-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCF/J997/03222
FILING DATE: 12-SEP-1997
APPLICATION NUMBER: JP 27,148/1996
FILING DATE: 19-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: KORNBAU, Anne M.
REGISTRATION NUMBER: 25,618
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8930 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
FEATURE:

NAME/KEY: CDS
LOCATION: 8374..8929
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-077-098A-1

Query Match
Best Local Similarity 100.0%; Pred. No. 47;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 739 ACACTCATTTTATATT 756
|||||
DB 207 ACACTCATTTTATATT 224

RESULT 25
US-09-679-299A-18/C
Sequence 18, Application US/09679299A
Patent No. 6566135
GENERAL INFORMATION:
APPLICANT: Vickie L. Brown-Driver
APPLICANT: Hong Zhang
APPLICANT: Andrew T. Walt
TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
FILE REFERENCE: RTS-0187
CURRENT APPLICATION NUMBER: US/09/679,299A
CURRENT FILING DATE: 2000-10-04
NUMBER OF SEQ ID NOS: 164
SEQ ID NO 18
LENGTH: 17000
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-299A-18

Query Match
Best Local Similarity 100.0%; Pred. No. 47;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 439 GGGATTACAGATTGAAA 456
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DB 9511 GGGATTACAGATTGAAA 9494

RESULT 26
US-09-268-992-7/C
Sequence 7, Application US/09268992
Patent No. 6342351
GENERAL INFORMATION:
APPLICANT: Chen, H.
APPLICANT: Feilmer, N.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
TITLE OF INVENTION: AND TREATING CHROMOSOME-18p RELATED DISORDERS
FILE REFERENCE: 7853-138
CURRENT APPLICATION NUMBER: US/09/268,992
CURRENT FILING DATE: 1999-03-16
EARLIER APPLICATION NUMBER: 09/236,134
EARLIER FILING DATE: 1999-01-22
EARLIER APPLICATION NUMBER: 60/106,056
EARLIER FILING DATE: 1998-10-28
EARLIER APPLICATION NUMBER: 60/088,312
EARLIER FILING DATE: 1998-06-05
EARLIER APPLICATION NUMBER: 60/078,044
EARLIER FILING DATE: 1998-03-16
NUMBER OF SEQ ID NOS: 84
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 72604
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: modified_base
LOCATION: all n positions
OTHER INFORMATION: n-a, c, g, or t
US-09-268-992-7

Query Match 1.0%; Score 18; DB 4; Length 72604;
Best Local Similarity 100.0%; Pred. NO. 46;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1698 CCCAAGGTACCTTTAT 1715
|||||
DB 54428 CCCAAGGTACCTTTAT 54411

RESULT 27
US-09-657-474-7/C
; Sequence 7, Application US/09657474
; Patent No. 6399762

; GENERAL INFORMATION:
; APPLICANT: Chen, H.
; APPLICANT: Freimer, N.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
; TITLE OF INVENTION: AND TREATING CHROMOSOME-18p RELATED DISORDERS
; FILE REFERENCE: 7853-138

; CURRENT APPLICATION NUMBER: US/09/657,474
; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 09/268,992
; PRIOR FILING DATE: 1999-03-16
; PRIOR APPLICATION NUMBER: 09/236,134
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 60/106,056
; PRIOR FILING DATE: 1998-10-28
; PRIOR APPLICATION NUMBER: 60/088,312
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/078,044
; PRIOR FILING DATE: 1998-03-16
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FASTSEQ for Windows Version 3.0

; SEQ ID NO 7
; LENGTH: 72604
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: all n positions
; OTHER INFORMATION: n=a, c, g, or t
US-09-657-474-7

Query Match 1.0%; Score 18; DB 4; Length 72604;
Best Local Similarity 100.0%; Pred. NO. 46;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1698 CCCAAGGTACCTTTAT 1715
|||||
DB 54428 CCCAAGGTACCTTTAT 54411

RESULT 28
US-09-798-096-10/C
; Sequence 10, Application US/09798096
; Patent No. 6399378

; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Walle
; TITLE OF INVENTION: ANTISENSE MODULATION OF RECOL2 EXPRESSION
; FILE REFERENCE: RFS-0207
; CURRENT APPLICATION NUMBER: US/09/798,096
; CURRENT FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 10
; LENGTH: 99500
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

US-09-798-096-10
Query Match 1.0%; Score 18; DB 4; Length 99500;

Best Local Similarity 100.0%; Pred. No. 45;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1551 AGAGGAATGTTATGGG 1568
|||||
DB 65771 AGAGGAATGTTATGGG 65754

RESULT 29
US-08-392-678-11
; Sequence 11, Application US/08392678
; Patent No. 5552281

; GENERAL INFORMATION:
; APPLICANT: Stashenko, Phillip
; APPLICANT: Li, Yi-Ping
; APPLICANT: Wucherpfennig, Anne L
; TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND
; TITLE OF INVENTION: -RELATED GENES
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Millia Drive

CITY: Lexington

STATE: Massachusetts

COUNTRY: USA

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/392,678

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/045,270

FILING DATE: 06 APR 1993

ATTORNEY/AGENT INFORMATION:

NAME: Granahan, Patricia

REGISTRATION NUMBER: 32,227

REFERENCE/DOCKET NUMBER: FDC92-02

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 861-6240

TELEFAX: (617) 861-9540

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 157 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-392-678-11

Query Match 0.9%; Score 17; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. NO. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1075 GATTAACTTTTATTTT 1091
|||||
DB 118 GATTAACTTTTATTTT 134

RESULT 30
US-08-457-304A-11
; Sequence 11, Application US/08457304A
; Patent No. 5624801

; GENERAL INFORMATION:
; APPLICANT: Stashenko, Phillip
; APPLICANT: Li, Yi-Ping
; APPLICANT: Wucherpfennig, Anne L
; TITLE OF INVENTION: METHODS OF IDENTIFYING HUMAN OSTEOCLAST-SPECIFIC
; TITLE OF INVENTION: AND -RELATED GENES (as amended)

```

1 NUMBER OF SEQUENCES: 34
2 CORRESPONDENCE ADDRESS:
3 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
4 STREET: Two Militia Drive
5 CITY: Lexington
6 STATE: Massachusetts
7 COUNTRY: USA
8 ZIP: 02173
9
10 COMPUTER READABLE FORM:
11 MEDIUM TYPE: Floppy disk
12 OPERATING SYSTEM: PC-DOS/MS-DOS
13 SOFTWARE: Patentln Release #1.0, Version #1.30
14
15 CURRENT APPLICATION DATA:
16 APPLICATION NUMBER: US/08/457,304A
17 FILING DATE: 01-JUNE-1995
18 CLASSIFICATION: 435
19
20 PRIOR APPLICATION DATA:
21 APPLICATION NUMBER: US 08/392,678
22 FILING DATE: 23-FEB-1995
23
24 PRIOR APPLICATION DATA:
25 APPLICATION NUMBER: US 08/045,270
26 FILING DATE: 06-APR-1993
27
28 ATTORNEY/AGENT INFORMATION:
29 NAME: Granahan, Patricia
30 REGISTRATION NUMBER: 32,227
31 REFERENCE/DOCKET NUMBER: FPC92-02PY
32
33 TELECOMMUNICATION INFORMATION:
34 TELEPHONE: (617) 861-6240
35 TELEFAX: (617) 861-9540
36
37 INFORMATION FOR SEQ ID NO: 11:
38 SEQUENCE CHARACTERISTICS:
39 LENGTH: 157 base pairs
40 TYPE: nucleic acid
41 STRANDEDNESS: double
42 TOPOLOGY: linear
43
44 MOLECULE TYPE: DNA (genomic)
45
46 US-08-457-304A-11
47
48
49 Query Match 0.9%; Score 17; DB 1; Length 157;
50 Best Local Similarity 100.0%; Pred. No. 1.5e+02;
51 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
52
53 Oy 1075 GATTAACCTTTTTTTT 1091
54 |||||||||||||||
55 Db 118 GATTAACCTTTTTTTT 134
56
57
58 RESULT 31
59 US-08-456-701A-11
60 Sequence 11, Application US/08456701A
61 Patent No. 5656728
62
63 GENERAL INFORMATION:
64 APPLICANT: Stashenko, Philip
65 APPLICANT: Li, Yi-ping
66 APPLICANT: Wucherpleinid, Anne L
67 TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND -RELATED GENES
68 NUMBER OF SEQUENCES: 34
69
70 CORRESPONDENCE ADDRESSES:
71 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
72 STREET: Two Militia Drive
73 CITY: Lexington
74 STATE: Massachusetts
75 COUNTRY: USA
76 ZIP: 02173
77
78 COMPUTER READABLE FORM:
79 MEDIUM TYPE: Floppy disk
80 COMPUTER: IBM PC compatible
81 OPERATING SYSTEM: PC-DOS/MS-DOS
82 SOFTWARE: Patentln Release #1.0, Version #1.30
83
84 CURRENT APPLICATION DATA:
85 APPLICATION NUMBER: US/08/456,701A
86 FILING DATE: 01-JUN-1995

```

```

: CLASSIFICATION: 530
: PRIOR APPLICATION NUMBER: US 08/392,678
: APPLICATION NUMBER: US 08/392,678
: FILING DATE: 23-FEB-1995
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02PZ
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 157 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-456-701A-11

Query Match          0.9%; Score 17; DB 1; Length 157;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0.

Oy      1075 GATTACCTTTTPTTT 1091
        |||||||
Db       118 GATTACCTTTTPTTT 134

RESULT 32
US-08-684-932A-11
: Sequence 11, Application US/08684932A
: Patent No. 6403504
: GENERAL INFORMATION:
: APPLICANT: Stashenko, Philip
: APPLICANT: Li, Yi-Ping
: APPLICANT: Wucherpfennig, Anne L.
: TITLE OF INVENTION: HUMAN OSTEOCLAST-SPECIFIC AND -RELATED
: TITLE OF INVENTION: DNA SEQUENCES
: NUMBER OF SEQUENCES: 38
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
: STREET: Two Mallitia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02173
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/684,932A
: FILING DATE: 19-JUL-1996
: CLASSIFICATION: 536
: ATTORNEY/AGENT INFORMATION:
: NAME: Granahan, Patricia
: REGISTRATION NUMBER: 32,227
: REFERENCE/DOCKET NUMBER: FDC92-02PM
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 861-6240
: TELEFAX: (617) 861-9540
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 157 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-684-932A-11

Query Match          0.9%; Score 17; DB 4; Length 157;

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Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1075 GATTAAGCTTTTCTTTT 1091
Db 118 GATTAAGCTTTTCTTTT 134

RESULT 33

US-09-328-352-2225/c
; Sequence 2225, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Bretton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328.352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2225
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2225

Query Match 0.9%; Score 17; DB 4; Length 426;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1016 ATTCCCACTTTTGTGC 1032
Db 263 ATTCCCACTTTTGTGC 247

RESULT 34

US-09-364-206-25
; Sequence 25, Application US/09364206
; Patent No. 6475752
; GENERAL INFORMATION:
; APPLICANT: Lal, Preethi
; APPLICANT: Tang, Y. Tom
; APPLICANT: Baugh, Mariah R.
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: Mammalian Imidazole Receptor
; FILE REFERENCE: PC-0006 US
; CURRENT APPLICATION NUMBER: US/09/364.206
; CURRENT FILING DATE: 1999-07-30
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 590
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 461,517,526,535,536,561
; OTHER INFORMATION: a or g or c or t, unknown, or other
; NAME/KEY:
; OTHER INFORMATION: 1886951f6
; PUBLICATION INFORMATION:
US-09-364-206-25

Query Match 0.9%; Score 17; DB 4; Length 590;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 CTGCGATCAGAAAACA 22
Db 118 CTGCGATCAGAAAACA 134

RESULT 35

US-08-454-115-1/c
; Sequence 1, Application US/08454115
; Patent No. 5866782
; GENERAL INFORMATION:
; APPLICANT: Mari IMABUCHI et al.
; TITLE OF INVENTION: A GENE WHICH DETERMINES CYTOPLASMIC
; TITLE OF INVENTION: STERILITY AND A METHOD OF PRODUCING HYBRID PLANTS USING SAI
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454.115
; FILING DATE: July 12, 1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 659 bases
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Rhipanus salivus
; STRAIN: kosea radish
; ORGANELLE: mitochondria
US-08-454-115-1

Query Match 0.9%; Score 17; DB 2; Length 659;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1001 CCCATCTGAATTCAT 1017
Db 365 CCCATCTGAATTCAT 349

RESULT 36

US-08-450-834-5/c
; Sequence 5, Application US/08450834
; Patent No. 5773705
; GENERAL INFORMATION:
; APPLICANT: Viersira, Richard D
; APPLICANT: Hondred, David
; APPLICANT: Callis, Judy
; TITLE OF INVENTION: Ubiquitin Fusion Protein System for
; TITLE OF INVENTION: Protein Production in Plants
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: P.O. Box 2113
; CITY: Madison

```

STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.92425
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: 35S/AMV/UBQ11/UBQ-CUS
FEATURE:
NAME/KEY: CDS
LOCATION: 503..730
FEATURE:
NAME/KEY: promoter
LOCATION: 1..502
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..6
OTHER INFORMATION: /function="Eco RI restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 7..12
OTHER INFORMATION: /function="Sac I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 13..18
OTHER INFORMATION: /function="Kpn I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18..24
OTHER INFORMATION: /function="Apa I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 464..469
OTHER INFORMATION: /function="Hind III restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 720..726
OTHER INFORMATION: /function="Sac II restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 819..825
OTHER INFORMATION: /function="Bcl I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 826..831

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OTHER INFORMATION: /function="Xba I restriction site"
US-08-450-834-5
Query Match
Best Local Similarity 100.0%; Score 17; DB 1; Length 831;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 61 GAAGATCTGCATGCTGG 77
DB 514 GAAGATCTGCATGCTGG 498
RESULT 37
US-09-134-001C-982
Sequence 982, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 982
LENGTH: 981
TYPE: DNA
ORGANISM: staphylococcus epidermidis
US-09-134-001C-982
Query Match
Best Local Similarity 100.0%; Score 17; DB 4; Length 981;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1799 GTTATTGAAGAATA 1815
DB 615 GTTATTGAAGAATA 631
RESULT 38
US-09-328-475C-104/C
Sequence 104, Application US/09328475C
Patent No. 6476207
GENERAL INFORMATION:
APPLICANT: Zhang, Jimmy
APPLICANT: Astel, Jon H.
APPLICANT: Carroll III, Eddie
APPLICANT: Endege, Wilson O.
APPLICANT: Ford, Donna M.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
APPLICANT: Steinmann, Kathleen E.
TITLE OF INVENTION: ARE DIFFERENTIALLY REGULATED IN PROSTATE CANCER
FILE REFERENCE: 1532.002/200130.463
CURRENT APPLICATION NUMBER: US/09/328,475C
CURRENT FILING DATE: 1999-06-09
NUMBER OF SEQ ID NOS: 341
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 104
LENGTH: 1017
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(1017)
OTHER INFORMATION: n = A,T,C or G
US-09-328-475C-104

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Query Match 0.9%; Score 17; DB 4; Length 1017;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 536 CAAATGCAATCTGTG 552
170 CAAATGCAATCTGTG 154

RESULT 39

US-08-454-115-4/c
; Sequence 4, Application US/08454115
; Patent No. 5865782
; GENERAL INFORMATION:
; APPLICANT: Mari IMABUCHI et al.
; TITLE OF INVENTION: A GENE WHICH DETERMINES CYTOPLASMIC
; NUMBER OF SEQUENCES: 6
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,115
; FILING DATE: July 12, 1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1242 bases
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Brassica napus
; STRAIN: SW18
; ORGANELLE: mitochondria
; US-08-454-115-4

Query Match 0.9%; Score 17; DB 2; Length 1242;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1001 CCCATCTGCAATTCAT 1017
Db 365 CCCATCTGCAATTCAT 349

RESULT 40

US-08-313-274-1/c
; Sequence 1, Application US/08313274
; Patent No. 5595902
; GENERAL INFORMATION:
; APPLICANT: BIDEN, Trevor J.

APPLICANT: SELBIE, Lisa
TITLE OF INVENTION: Protein Kinase C (Iota)
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rochwell, Figg Ernst & Kurz
STREET: Suite 701-E, 555 Thirteenth St., N.W
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/313,274
FILING DATE: 02-DEC-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU92/00052
FILING DATE: 04-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: WALKER, Barbara W.
REGISTRATION NUMBER: 35,400
REFERENCE/DOCKET NUMBER: 1871-111A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)783-6040
TELEFAX: (202)783-6031
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2196 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 265..2025
US-08-313-274-1

Query Match 0.9%; Score 17; DB 1; Length 2196;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1713 TATCATTTTCATGCTGA 1729
Db 450 TATCATTTTCATGCTGA 434

RESULT 41
US-09-228-986-1
; Sequence 1, Application US/09228986
; Patent No. 6359198

; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Neuenhizen, Niels
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; FILE REFERENCE: 11000/1020
; CURRENT APPLICATION NUMBER: US/09/228,986
; CURRENT FILING DATE: 1999-01-12
; NUMBER OF SEQ ID NOS: 130
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 2389
; TYPE: DNA
; ORGANISM: Pinus radiata
US-09-228-986-1

Query Match 0.9%; Score 17; DB 4; Length 2389;

Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1096 TGGAGATTCATGTT 1112
|||||
Db 690 TGGAGATTCATGTT 706

RESULT 42
US-08-490-099-1/c

; Sequence 1, Application US/08490099

; Patent No. 5789566

; GENERAL INFORMATION:

; APPLICANT: Bonhomme, Sandrine

; APPLICANT: Budar, Francoise

; APPLICANT: Lancelin, Dominique

; APPLICANT: Pelletier, Georges

; TITLE OF INVENTION: DNA SEQUENCE IMPARTING CYTOPLASMIC MALE

; TITLE OF INVENTION: STERILITY, MITOCHONDRIAL GENOME, NUCLEAR GENOME,

; TITLE OF INVENTION: MITOCHONDRIA AND PLANT CONTAINING SAID SEQUENCE AND

; NUMBER OF SEQUENCES: 1

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum

; STREET: 5 Palo Alto Square

; CITY: Palo Alto

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 94306-2155

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/490,099

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/030,083

; FILING DATE: 19-MAR-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Neeley, Richard L.

; REGISTRATION NUMBER: 30,092

; REFERENCE/DOCKET NUMBER: COMA-034/0005

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 494 7622

; TELEFAX: (415) 857 0663

; TELEX: 380816COOLEYPA

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2427 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; HYPOTHETICAL: NO

; US-08-490-099-1

Query Match 0.9%; Score 17; DB 1; Length 2427;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1001 CCCATCTGAATTCAT 1017
|||||
Db 1235 CCCATCTGAATTCAT 1219

RESULT 43
US-08-976-259-10/c

; Sequence 10, Application US/08976259

; Patent No. 6316609

; GENERAL INFORMATION:

; APPLICANT: Dillon, Patrick J.

; APPLICANT: Choi, Gil H.

; APPLICANT: Welch, Rodney A.

; TITLE OF INVENTION: Nucleotide sequence of Escherichia coli

; Patent No. 6316609

; NUMBER OF SEQUENCES: 142

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.

; STREET: 1100 New York Ave, N.W., Suite 600

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005-3934

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/976,259

; FILING DATE: Herewith

; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/031,626 AND US 60/061,953

; ATTORNEY/AGENT INFORMATION:

; NAME: Steffe, Eric K.

; REGISTRATION NUMBER: 36,688

; REFERENCE/DOCKET NUMBER: 1488.0740002/EKS/CBM

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 371-2600

; TELEFAX: (202) 371-2540

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2920 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; US-08-976-259-10

Query Match 0.9%; Score 17; DB 4; Length 2920;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 AGCTGCATCAGAAAAA 20
|||||
Db 2421 ACCTGCATCAGAAAAA 2405

RESULT 44
US-08-718-388-4/c

; Sequence 4, Application US/08718388

; Patent No. 6271362

; GENERAL INFORMATION:

; APPLICANT: MORIKAWA, MINORU

; APPLICANT: HARADA, NAOKI

; TITLE OF INVENTION: GENE ENCODING Igg Fc REGION-BINDING

; TITLE OF INVENTION: PROTEIN

; NUMBER OF SEQUENCES: 29

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH

; STREET: PO BOX 747

; CITY: FALLS CHURCH

; STATE: VA

; COUNTRY: USA

; ZIP: 22040-0747

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/718,388

; FILING DATE:

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:

NAME: MURPHY JR, GERALD M

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 0230-111

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 205-8000

TELEFAX: (703) 205-8050

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 3247 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-08-718-388-4

Query Match 0.9%; Score 17; DB 3; Length 3247;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCCACACATCTGCTG 151
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Db 2721 AGGCCACACATCTGCTG 2705

RESULT 45

US-08-718-388-5/c

Sequence 5, Application US/08718388

Patent No. 6271362

GENERAL INFORMATION:

APPLICANT: MORIKAWA, MINORU

TITLE OF INVENTION: GENE ENCODING IgG Fc REGION-BINDING

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH

STREET: PO BOX 747

CITY: FALLS CHURCH

STATE: VA

COUNTRY: USA

ZIP: 22040-0747

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/718,388

FILING DATE:

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: MURPHY JR, GERALD M

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 0230-111

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 205-8000

TELEFAX: (703) 205-8050

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 3661 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-08-718-388-5

Query Match 0.9%; Score 17; DB 3; Length 3661;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCCACACATCTGCTG 151

DB 51 AGGCCACACATCTGCTG 35
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Search completed: September 29, 2003, 14:55:26
Job time : 118.171 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 29, 2003, 14:39:34 : Search time 49.1349 Seconds
(without alignments)
7366.135 Million cell updates/sec

Title: US-09-402-713A-4

Perfect score: 820

Sequence: 1 agaagctgcagtcagcaaaaaa.....cattactcatttgcacaa 820

Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database :

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- 5: /cgn2_6/ptodata/1/ina/PCrUS.COMB.seq:*
- 6: /cgn2_6/ptodata/1/ina/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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	1	812	99.0	812	4	US-09-439-313-471	Sequence 471, App
	2	812	99.0	812	4	US-09-352-616A-471	Sequence 471, App
	3	724	88.3	2229	4	US-09-439-313-469	Sequence 469, App
	4	724	88.3	2229	4	US-09-352-616A-469	Sequence 469, App
	5	724	88.3	2426	4	US-09-439-313-470	Sequence 470, App
	6	724	88.3	2426	4	US-09-352-616A-470	Sequence 470, App
	7	724	88.3	3112	4	US-09-439-313-468	Sequence 468, App
	8	724	88.3	3112	4	US-09-352-616A-468	Sequence 468, App
	9	257	31.3	718	4	US-09-439-313-313	Sequence 313, App
	10	257	31.3	718	4	US-09-352-616A-313	Sequence 313, App
	11	179	21.8	301	4	US-09-232-149A-313	Sequence 313, App
	12	179	21.8	301	4	US-09-439-313-287	Sequence 287, App
	13	179	21.8	301	4	US-09-352-616A-287	Sequence 287, App
	14	179	21.8	301	4	US-09-232-149A-287	Sequence 287, App
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	16	19	2.3	161	1	US-08-450-834-3	Sequence 3, Appli
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	20	18	2.2	17000	4	US-09-679-299A-18	Sequence 18, Appli
	21	17	2.1	590	1	US-09-364-206-25	Sequence 25, Appli
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	23	17	2.1	1017	4	US-09-328-475C-104	Sequence 104, App
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ALIGNMENTS

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RESULT 1
US-09-439-313-471/c
; Sequence 471, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Ketter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471
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Query Match 99.0%; Score 812; DB 4; Length 812;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 752 TCTGCATGGTGGGAAGAGCCTGATGATACAGAGGTGAGAAATAGAAAGGCTCTGACTT 693
QY 126 TACCATCTGAGGCGACACATCTGCTGAATGAGATTAATTAATCATCTAGAAACGCA 185
DB 692 TACCATCTGAGGCGACACATCTGCTGAATGAGATTAATTAATCATCTAGAAACGCA 633
QY 186 GATGACAATATAATGCTAAGTAGACATGTTTTGACATTTCCAGCCCTTTAAATA 245
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QY 246 TCCACACACACAGAGACCAAAAAGAGACAGAGATCCCTGGAGAAATGCCGGCG 305
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QY 426 TATTTATTTGAACGGGATTAACAGATTTGAAATGAGTCAACAAAGTATTCACATGA 485
DB 392 TATTTATTTGAACGGGATTAACAGATTTGAAATGAGTCAACAAAGTATTCACATGA 333
QY 486 GAGGAAGACAGAGAGAAATCTTGATGGCTTCACAGACATCAACAAACAAATGGAA 545
DB 332 GAGGAAGACAGAGAGAAATCTTGATGGCTTCACAGACATCAACAAACAAATGGAA 273
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QY 606 GATTCTGGCCCTGCTGCTTAACACTGTGCTTCAATACCAAAATCATTTATTTCTAAC 665
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QY 666 CTCAAAAAAGAGCTGTTGTAATGATGATCTGACGTTCTTCTGGCCCAACATTC 725
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QY 726 CATATATCCAGCCACACTATTTTAAATTTAGTCCAGATCTGACTGACCTTC 785
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RESULT 2

US-09-352-616A-471/c

; Sequence 471, Application US/09352616A

; Patent No. 6395278

; GENERAL INFORMATION:

; APPLICANT: Dillon, Davin C.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang, Yuqi

; APPLICANT: Xu, Jiangchun

; APPLICANT: Mitcham, Jennifer Lynn

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

; FILE REFERENCE: 210121.427C8

; CURRENT APPLICATION NUMBER: US/09/352,616A

; CURRENT FILING DATE: 1999-07-13

; NUMBER OF SEQ ID NOS: 472

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; LENGTH: 812

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-352-616A-471

Query Match 99.0%; Score 812; DB 4; Length 812;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 126 TACCATCTGAGGCGACACATCTGCTGAATGAGATTAATTAATCATCTAGAAACGCA 185
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RESULT 3
US-09-439-313-469/c

: Sequence 469, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Retter, Mark
: APPLICANT: Solk, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C9
: CURRENT APPLICATION NUMBER: US/09/439, 313
: CURRENT FILING DATE: 1999-11-12
: NUMBER OF SEQ ID NOS: 575
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-439-313-469

Query Match 88.3%; Score 724; DB 4; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 157 GAGTAAATTAACATCTAGAAAACAGCAAGATGCAATATATATCTTAAGTAGACATG 216
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Qy 217 TTTTTCGACATTTCCAGCCCTTTAAATATCCACACACAGAGAACAAAGAAACA 276
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Db 1656 TTTTTCGACATTTCCAGCCCTTTAAATATCCACACACAGAGAAAGCAAAAGAAACA 1597
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Qy 277 CAGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTCATGATGAGCCCTCGC 336
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Db 1596 CAGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTCATGATGAGCCCTCGC 1537
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Qy 337 TGCCGTGTCCTGCTTTGTAGAGGAGGACATTAGAAATGATTTGATGTTCTTAAAG 396
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| | | | |
Db 1116 TAGTTCCAGATCTGATCTGACCTTCTACAGCTAGATTAACATTAATCTATTTGTT 1057
| | | | |
Qy 817 CAAA 820
| | | | |
Db 1056 CAAA 1053
| | | | |

RESULT 4

US-09-352-616A-469/c
: Sequence 469, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Xu, Jiangchun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
: FILE REFERENCE: 210121.427C8
: CURRENT APPLICATION NUMBER: US/09/352, 616A
: CURRENT FILING DATE: 1999-07-13
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-352-616A-469

Query Match 88.3%; Score 724; DB 4; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 97 AGGTGAGAAATTAAGAAAGGCTGCTGATTTACATCTGAGGCCACACATCTGCTGAATG 156
    |||
Db 1776 AGGTGAGAAATTAAGAAAGGCTGCTGATTTACATCTGAGGCCACACATCTGCTGAATG 1717
QY 157 GAGATATTTAACTACATCTAGAAACAGCAAGATGACATATATATGTTCTAACTAGTACATG 216
    |||
Db 1716 GAGATATTTAACTACATCTAGAAACAGCAAGATGACATATATATGTTCTAACTAGTACATG 1657
QY 217 TTTTTCACATTTTCACAGCCCTTTAAATATCCACACACAGCAAGCAAAAAGAGCA 276
    |||
Db 1656 TTTTTCACATTTTCAGCCCTTTAAATATCCACACACAGCAAGCAAAAAGAGCA 1597
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGTCATCGATGAGCCTCGCCCTG 336
    |||
Db 1596 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGTCATCGATGAGCCTCGCCCTG 1537
QY 337 TGCCTGGTCCCGCTTGTGAGGAGAGCATTAGAAAATGAATGATGTTCTCTTAAGG 396
    |||
Db 1536 TGCCTGGTCCCGCTTGTGAGGAGAGCATTAGAAAATGAATGATGTTCTCTTAAGG 1477
QY 397 ATGGGAGAGAAACAGATCTCTGTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 456
    |||
Db 1476 ATGGGAGAGAAACAGATCTCTGTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 1417
QY 457 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAACAGAGAAAATCTTGATGCT 516
    |||
Db 1416 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAACAGAGAAAATCTTGATGCT 1357
QY 517 TCACAGACATGACACAAACAAAATGGAATGATGATGATGAGGACAGCAAGCGGG 576
    |||
Db 1356 TCACAGACATGACACAAACAAAATGGAATGATGATGATGAGGACAGCAAGCGGG 1297
QY 577 GAGGAGATTAACACAGGGGCGAGAGGATCTGGCCCTGCTGCTTAACATGTCGCT 636
    |||
Db 1296 GAGGAGATTAACACAGGGGCGAGAGGATCTGGCCCTGCTGCTTAACATGTCGCT 1237
QY 637 CATACCAATATCTTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATCTGATCT 696
    |||
Db 1236 CATACCAATATCTTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATCTGATCT 1177
QY 697 CTACGGTCTCTTGGGCGCCACATCTCTCATATCTCCACGACACATCTTTTAATAT 756
    |||
Db 1176 CTACGGTCTCTTGGGCGCCACATCTCTCATATCTCCACGACACATCTTTTAATAT 1117
QY 757 TACTTCCAGATCTGATCTGTGACCTTTCTACACTGTAGAAATTAACATTAATCTGTT 816
    |||
Db 1116 TACTTCCAGATCTGATCTGTGACCTTTCTACACTGTAGAAATTAACATTAATCTGTT 1057
QY 817 CAAA 820
    |||
Db 1056 CAAA 1053

```

RESULT 5

```

US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Rectler, Mark
; APPLICANT: Solik, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439, 313

```

```

; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

```

```

Query Match      88.3%; Score 724; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 97 AGGTGAGAAATTAAGAAAGGCTGCTGATTTACATCTGAGGCCACACATCTGCTGAATG 156
    |||
Db 1770 AGGTGAGAAATTAAGAAAGGCTGCTGATTTACATCTGAGGCCACACATCTGCTGAATG 1711
QY 157 GAGATATTTAACTACATCTAGAAACAGCAAGATGACATATATATGTTCTAACTAGTACATG 216
    |||
Db 1710 GAGATATTTAACTACATCTAGAAACAGCAAGATGACATATATATGTTCTAACTAGTACATG 1651
QY 217 TTTTTCACATTTTCACAGCCCTTTAAATATCCACACACAGCAAGCAAAAAGAGCA 276
    |||
Db 1650 TTTTTCACATTTTCAGCCCTTTAAATATCCACACACAGCAAGCAAAAAGAGCA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGTCATCGATGAGCCTCGCCCTG 336
    |||
Db 1590 CAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGTCATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGGTCCCGCTTGTGAGGAGAGCATTAGAAAATGAATGATGTTCTCTTAAGG 396
    |||
Db 1530 TGCCTGGTCCCGCTTGTGAGGAGAGCATTAGAAAATGAATGATGTTCTCTTAAGG 1471
QY 397 ATGGGAGAGAAACAGATCTCTGTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 456
    |||
Db 1470 ATGGGAGAGAAACAGATCTCTGTGTGATATTTATTTGAACGGGATTAAGATTTGAAA 1411
QY 457 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAACAGAGAAAATCTTGATGCT 516
    |||
Db 1410 TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAACAGAGAAAATCTTGATGCT 1351
QY 517 TCACAGACATGACACAAACAAAATGGAATGATGATGATGAGGACAGCAAGCGGG 576
    |||
Db 1350 TCACAGACATGACACAAACAAAATGGAATGATGATGATGAGGACAGCAAGCGGG 1291
QY 577 GAGGAGATTAACACAGGGGCGAGAGGATCTGGCCCTGCTGCTTAACATGTCGCT 636
    |||
Db 1290 GAGGAGATTAACACAGGGGCGAGAGGATCTGGCCCTGCTGCTTAACATGTCGCT 1231
QY 637 CATACCAATATCTTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATCTGATCT 696
    |||
Db 1230 CATACCAATATCTTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATCTGATCT 1171
QY 697 CTACGGTCTCTTGGGCGCCACATCTCTCATATCTCCACGACACATCTTTTAATAT 756
    |||
Db 1170 CTACGGTCTCTTGGGCGCCACATCTCTCATATCTCCACGACACATCTTTTAATAT 1111
QY 757 TACTTCCAGATCTGATCTGTGACCTTTCTACACTGTAGAAATTAACATTAATCTGTT 816
    |||
Db 1110 TACTTCCAGATCTGATCTGTGACCTTTCTACACTGTAGAAATTAACATTAATCTGTT 1051
QY 817 CAAA 820
    |||
Db 1050 CAAA 1047

```

RESULT 6

```

US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise

```

```

APPLICANT: Jiang, Yuguu
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.42768
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 470
LENGTH: 2426
TYPE: DNA
ORGANISM: Homo sapiens
US-09-352-616A-470

```

Query Match	88.3%	Score 724	DB 4	Length 2426
Best Local Similarity	100.0%	Pred. No. 0		
Matches 724	Conservative 0	Mismatches 0	Indels 0	Gaps 0

QY	97	AGGAGAGAAATPAAAGAAAGGCTGCTGACCTTTACATCTGAGGCAACACATTCGTGAATG 	156
Db	1770	AGGAGAGAAATPAAAGAAAGGCTGCTGACCTTTACATCTGAGGCAACACATTCGTGAATG 	1711
QY	157	GAGATAAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGACATG 	216
Db	1710	GAGATAAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGACATG 	165
QY	217	TTTTTGACATTTTCCAGCCCTTTTAAATATCCACACACACAGGAAGCAACAAAGACGA 	276
Db	1650	TTTTTGACATTTTCCAGCCCTTTTAAATATCCACACACACAGGAAGCAACAAAGACGA 	1591
QY	277	CAGAGATCCCGGGGAGAAATGCCGGGCCATCTGGGTATGATGATGAGGCTGGCCGTG 	336
Db	1590	CAGAGATCCCGGGGAGAAATGCCGGGCCATCTGGGTATGATGATGAGGCTGGCCGTG 	1533
QY	337	TGCCGTGTCGCGCTTGTGAGGGAAGGACATTAGAAAAGAAATGATGTGTCTCTTAAAG 	396
Db	1530	TGCCGTGTCGCGCTTGTGAGGGAAGGACATTAGAAAAGAAATGATGTGTCTCTTAAAG 	1477
QY	397	ATGGGCGAGAAAACAGATCCTGTGTGTGATATTTATTTGAACGGGATTACAGATTTGAAA 	456
Db	1470	ATGGGCGAGAAAACAGATCCTGTGTGTGATATTTATTTGAACGGGATTACAGATTTGAAA 	1411
QY	457	TGAAGTACAAAGTGAGCATTTACCAATGAGAGGAAAACAGACGANAANAATCTTGATGGCT 	516
Db	1410	TGAAGTACAAAGTGAGCATTTACCAATGAGAGGAAAACAGACGANAANAATCTTGATGGCT 	1351
QY	517	TCACAAAGCATGCAACAAACAAAATGGAATCTGTGATGACATGAGCGAGCCAACTGGG 	576
Db	1350	TCACAAAGCATGCAACAAACAAAATGGAATCTGTGATGACATGAGCGAGCCAACTGGG 	1291
QY	577	GAGAGATTAACACGGGGCAGAGGGTCAGATTTGAGCCCTGCTGACCTTAACTGAGCTT 	636
Db	1290	GAGAGATTAACACGGGGCAGAGGGTCAGATTTGAGCCCTGCTGACCTTAACTGAGCTT 	1233
QY	637	CATAACCAATCATTTTCAATTTTCTAAACCCCTCAACAAACAAGCTGTTGAAATATCGACAT 	696
Db	1230	CATAACCAATCATTTTCAATTTTCTAAACCCCTCAACAAACAAGCTGTTGAAATATCGACAT 	1177
QY	697	CTACGGTTCCTTCTGGGCCCAACATTCCTCAATATCCAGCCACACTATTTTAAATAT 	756
Db	1170	CTACGGTTCCTTCTGGGCCCAACATTCCTCAATATCCAGCCACACTATTTTAAATAT 	1111
QY	757	TAGTTCCAGATCTGTACTGTGACCTTCTACACTGTAGAAATTAACATTACTCATTTTGT 	816
Db	1110	TAGTTCCAGATCTGTACTGTGACCTTCTACACTGTAGAAATTAACATTACTCATTTTGT 	1051
QY	817	CAAA 820	
Db	1050	CAAA 1047	

```

US-09-439-313-468
; RESULT 7
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu1
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-468

```

Query Match	88.3%	Score 724	DB 4	length 3112
Best Local Similarity	100.0%	Pred. Nc	0	
Matches 724	Conservative 0	Mismatches 0	Indels 0	Gaps 0

QY	97	AGGAGAGAAAATAGAAAAGCTGTGACACTTACCACTTAGGCGACACATCTGCTGAATG	156
Db	1312	AGGAGAGAAAATAGAAAAGCTGTGACACTTACCACTTAGGCGACACACATCTGCTGAATG	1377
QY	157	GAGATAAATTAACATCACTAGAAAGCAGCAAGATGACAAATATAATGCTAAGTAGTGACATG	216
Db	1372	GAGATAAATTAACATCACTAGAAAGCAGCAAGATGACAAATATAATGCTAAGTAGTGACATG	1433
QY	217	TTTTTGCACATTTTCAGCCCTTTTAATATCCACACACACAGGAAGCCAAAAGGAGACA	276
Db	1432	TTTTTGCACATTTTCAGCCCTTTTAATATCCACACACACAGGAAGCCAAAAGGAGACA	1491
QY	277	CAGAGATCCCTGGGGAGAAATGCCGGCCCATCTGTGGTATGATGATAGCCTGGCCGTG	336
Db	1492	CAGAGATCCCTGGGGAGAAATGCCGGCCCATCTGTGGTATGATGATAGCCTGGCCGTG	1555
QY	337	TGCCGTGATCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATTGATGTCTTCTTAAGG	396
Db	1552	TGCCGTGATCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATTGATGTCTTCTTAAGG	1611
QY	397	ATGGGCGAGAAAACAGATCCTGTGTGTGATATTATTGTAACGGGATTTACAGATTTGAAA	456
Db	1612	ATGGGCGAGAAAACAGATCCTGTGTGTGATATTATTGTAACGGGATTTACAGATTTGAAA	1673
QY	457	TGAAGTCACAAAGTGAGCATTTACCAATAGAGGAAAACAGACAGAAAATCTTGATGGCT	516
Db	1672	TGAAGTCACAAAGTGAGCATTTACCAATAGAGGAAAACAGACAGAAAATCTTGATGGCT	1733
QY	517	TCACAGACATGTCAACAAACAAATGGAATACTGTGATGACATGAGCGAGCCMACCTGGG	576
Db	1732	TCACAGACATGTCAACAAACAAATGGAATACTGTGATGACATGAGCGAGCCMACCTGGG	1791
QY	577	GAGGAGATTAACCAAGGGGAGAGGGTCAAGATTCTGGCCCTGCTGCTTAAACTGTGCGTT	636
Db	1792	GAGGAGATTAACCAAGGGGAGAGGGTCAAGATTCTGGCCCTGCTGCTTAAACTGTGCGTT	1851
QY	637	CATAACCAATCATTTTCATATTTCATAACCCCTCAAAACAAGCTGTTGAATATCTGACATCT	696
Db	1852	CATAACCAATCATTTTCATATTTCATAACCCCTCAAAACAAGCTGTTGAATATCTGACATCT	1911

QY	697	CTAGGGTTCCTCTGGGGCAACATTCCTCCATATATCCAGGCACACATTTTAAATTT	756
Db	1912	CTAGGGTTCCTCTGGGGCCAAACATTCCTCCATATATCCAGGCACACATTTTAAATTT	1971
QY	757	TAGTCCCAAGATCTGACTGTCTCTACACTGTAGAAATAACATTACTCATTTTGGT	816
Db	1972	TAGTCCCAAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTACTCATTTTGGT	2031
QY	817	CAAA 820	
Db	2032	CAAA 2035	

```

RESULT 8
US-09-352-616A-468
Sequence 468, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, David C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.42768
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-352-616A-468

```

Query Match	88.3%	Score 724	DB 4	Length 3112
Best Local Similarity	100.0%	Pred. No. 0		
Matches 724	Conservative 0	Mismatches 0	Indels 0	Gaps 0

QY	97	AGGAGACAAGTAATAAAGAGGCTGCTGACCTTTACCAATCTGAGGCAACACATGCTGTAATG	156
Db	1312	AGGTGACAAGTAATAAAGAGGCTGCTGACCTTTACCACTGAGGCCACACACTTCTGTAATG	1377
QY	157	GAGATTAATTACATCTACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGACATG	216
Db	1372	GAGTATTAATTACATCTACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGACATG	1433
QY	217	TTTTTGACATTTTCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAACCA	276
Db	1432	TTTTTGCACATTTTCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAACCA	1491
QY	277	CAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTGGTCATGATGAGCCTGCCCTG	336
Db	1492	CAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTGGTCATGATGAGCCTGCCCTG	1551
QY	337	TGCTGGTCCCGCTTGAGAGGAAGGACATTAGAAATGATTTGATCTGTCTTAAAG	396
Db	1552	TGCTGGTCCCGCTTGAGAGGAAGGACATTAGAAATGATTTGATCTGTCTTAAAG	1611
QY	397	ATGGCGAGAAACAGATCCTGTGTGTGATATTATTTGAACGGGATTACAGATTTGAA	456
Db	1612	ATGGCGAGAAACAGATCCTGTGTGTGATATTATTTGAACGGGATTACAGATTTGAA	1671
QY	457	TGAAATTCACAAAGTGAGCATTTACCATGAGAGGAAAAACAGCGAATAATCTTGATGCT	516
Db	1672	TGAAATTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGCGAATAATCTTGATGCT	1731
QY	517	TCAACAAGACATTCGAACCAACAAAATGGAATACGTGTGATGACATGAGGCAAGCTGGG	576
Db	1732	TCAACAAGACATTCGAACCAACAAAATGGAATACGTGTGATGACATGAGGCAAGCTGGG	1791
QY	577	GAGGAGTAATCAACAGGGGCAAGGGTGAGATTTGGCCCTGATCTTAACTGTGCTT	636

Accession	Sequence	Position
Db	1792 GAGGAGATPACCGCGGCGAGGGGTCAAGATTCTGGCCCTGCTGCCCTAAACTGGCCCTT	1851
QY	637 CATAAACCAATCATTTTCATTAFTTCTAACCCCTCAAAAACAAGCTGTTGTAATATCTGATCT	696
Db	1852 CATAAACCAATCATTTTCATTAFTTCTAACCCCTCAAAAACAAGCTGTTGTAATATCTGATCT	1911
QY	697 CTACGGTTCCTTCGGGCCCAACATTTCTCATATATTCAGCCAGACACTATTTTAAATAT	756
Db	1912 CTACGGTTCCTTCGGGCCCAACATTTCTCATATATTCAGCCAGACACTATTTTAAATAT	1971
QY	757 TAGTTCCAGATCTGTAAGTGTGACCTTCTCAACGTGTGAATTAACATTACCATTTTCT	816
Db	1972 TAGTTCCAGATCTGTAAGTGTGACCTTCTCAACGTGTGAATTAACATTACCATTTTCT	2031
QY	817 CAAA 820	
Db	2032 CAAA 2035	

```

RESULT 9
US-09-439-313-313
: Sequence 313, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davlin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang Yuqiu
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Reltter, Mark
: APPLICANT: Solk, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C9
: CURRENT APPLICATION NUMBER: US/09/439,313
: CURRENT FILING DATE: 1999-11-12
: NUMBER OF SEQ. ID NOS: 575
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 313
: LENGTH: 718
: TYPE: DNA
: ORGANISM: Homo sapien
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(718)
: OTHER INFORMATION: n = A,T,C or G
: US-09-439-313-313

```

Query Match	31.3%	Score 257	DB 4	Length 718
Best Local Similarity	99.4%	Pred. No. 3.1e-125		
Matches 357	Conservative 0	Mismatches 2	Indels 0	Gaps 0

QY	42	GGCAGCCGAGGAGAACACAGGAAGATCTGCATGTGTGGGAAGACCTGATGATACAGAGTGTG	101
Db	17	TGCAGCCGAGGAGAACACAGGAAGATCTGCATGTGTGGGAAGACCTGATGATACAGAGAGTGTG	76
QY	102	AGAAATAGAAGAGCGTCTGACTTATTCACATGTGAGGCACACATCTGCTGGAATGGAGAT	161
Db	77	AGAAATAGAAGAGCGTCTGACTTATTCACATGTGAGGCACACATCTGCTGGAATGGAGAT	136
QY	162	AATTACATCACTGAAAACACAGACAGATGACAATATTAATGTCTAAGTAGTGACATGTTTTT	221
Db	137	AATTACATCACTGAAAACACAGACAGATGACAATATTAATGTCTAAGTAGTGACATGTTTTT	196
QY	222	GCACATTTCCAGCCCTTTAAATATCCACACACACAGAGACACAAAAGGAAGCACAGAG	281
Db	197	GCACATTTCCAGCCCTTTAAATATCCACACACACAGAGAACACAAAAGGAAGCACAGAG	256

```

;
; TYPE: DNA
; ORGANISM: Homo sapiens

```

US-09-439-313-287

Query Match 21.8%; Score 179; DB 4; Length 301;
Best Local Similarity 99.6%; Pred. No. 2.8e-84;
Matches 229; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 472 AGCATTTACCAATGAGAGAAACAGACGAGAAATCTTGATGGCTTCACAAGACATGCAA 531
|||||
DB 301 AGCATTTACCAATGAGAGAAACAGACGAGAAATCTTGATGGCTTCACAAGACATGCAA 242
QY 532 CAAACAAATGGAATGATGATGACATGAGCGACCAAGCTGGGGAGAGATTAACACAG 591
DB 241 CAAACAAATGGAATGATGATGATGATGAGCGACCAAGCTGGGGAGAGATTAACACAG 182
QY 592 GGGCAGAGGGTCAAGATTCTGGCCCTGCTTAACCTGATGCGTTCAATACCAATCATTT 651
|||||
DB 181 GGGCAGAGGGTCAAGATTCTGGCCCTGCTTAACCTGATGCGTTCAATACCAATCATTT 122
QY 652 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 701
DB 121 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 72

RESULT 13

US-09-352-616A-287/c
; Sequence 287, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: MITCHAM, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 287
; LENGTH: 301
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-287

Query Match 21.8%; Score 179; DB 4; Length 301;
Best Local Similarity 99.6%; Pred. No. 2.8e-84;
Matches 229; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 472 AGCATTTACCAATGAGAGAAACAGACGAGAAATCTTGATGGCTTCACAAGACATGCAA 531
|||||
DB 301 AGCATTTACCAATGAGAGAAACAGACGAGAAATCTTGATGGCTTCACAAGACATGCAA 242
QY 532 CAAACAAATGGAATGATGATGACATGAGCGACCAAGCTGGGGAGAGATTAACACAG 591
DB 241 CAAACAAATGGAATGATGATGATGATGAGCGACCAAGCTGGGGAGAGATTAACACAG 182
QY 592 GGGCAGAGGGTCAAGATTCTGGCCCTGCTTAACCTGATGCGTTCAATACCAATCATTT 651
|||||
DB 181 GGGCAGAGGGTCAAGATTCTGGCCCTGCTTAACCTGATGCGTTCAATACCAATCATTT 122
QY 652 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 701
DB 121 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 72

RESULT 14

US-09-232-149A-287/c
; Sequence 287, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232,149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 287
; LENGTH: 301
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-232-149A-287

Query Match 21.8%; Score 179; DB 4; Length 301;
Best Local Similarity 99.6%; Pred. No. 2.8e-84;
Matches 229; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 472 AGCATTTACCAATGAGAGAAACAGACGAGAAATCTTGATGGCTTCACAAGACATGCAA 531
|||||
DB 301 AGCATTTACCAATGAGAGAAACAGACGAGAAATCTTGATGGCTTCACAAGACATGCAA 242
QY 532 CAAACAAATGGAATGATGATGACATGAGCGACCAAGCTGGGGAGAGATTAACACAG 591
DB 241 CAAACAAATGGAATGATGATGATGATGAGCGACCAAGCTGGGGAGAGATTAACACAG 182
QY 592 GGGCAGAGGGTCAAGATTCTGGCCCTGCTTAACCTGATGCGTTCAATACCAATCATTT 651
|||||
DB 181 GGGCAGAGGGTCAAGATTCTGGCCCTGCTTAACCTGATGCGTTCAATACCAATCATTT 122
QY 652 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 701
DB 121 TCATATTTCTAACCCCTCAAAACAAGCTGTTGTAATATCTGATCTCTACG 72

RESULT 15

US-08-916-421B-1
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bult et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methano
; TITLE OF INVENTION: jannaschii
; FILE REFERENCE: PB275
; CURRENT APPLICATION NUMBER: US/08/916,421B
; CURRENT FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/024,428
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1664976
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (28222)..(28222)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (28257)..(28258)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84773)..(84773)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84808)..(84808)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84812)..(84812)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature

LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98159)..(98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98239)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98266)..(98266)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98343)..(98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (103998)..(103998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (148948)..(148948)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (163385)..(163385)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191989)..(191989)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231980)..(231980)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234187)..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814)..(234814)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309398)..(309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309418)..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226)..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (359167)..(359167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241)..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657203)..(657203)

OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619)..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1084830)..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1313224)..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1603734)..(1603734)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1664854)..(1664854)
OTHER INFORMATION: n equals a, t, c, or g
us-08-916-421B-1

Query Match 2.4% Score 20; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 740 CACTCATTTTAAATTTAG 759
Db 1520938 CACTCATTTTAAATTTAG 1520957

RESULT 16
US-08-450-834-3/C
; Sequence 3, Application US/08450834
; Patent No. 5773705
; GENERAL INFORMATION:
; APPLICANT: Vierstra, Richard D
; APPLICANT: Hondred, David
; APPLICANT: Callis, Judy
; TITLE OF INVENTION: Ubiquitin Fusion Protein System for
; TITLE OF INVENTION: Protein Production in Plants
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: P.O. Box 2113
; CITY: Madison
; STATE: WI
; COUNTRY: USA
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,834
; FILING DATE: 25-MAY-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/999,709
; FILING DATE: 31-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J
; REGISTRATION NUMBER: 27,386
; REFERENCE/DOCKET NUMBER: 960296.92425
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 161 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE:
; CLONE: UBO-BT
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 4..9
; OTHER INFORMATION: /function= "Hind III restriction
; OTHER INFORMATION: site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 47..52
; OTHER INFORMATION: /function= "Bgl II restriction
; OTHER INFORMATION: site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 58..64
; OTHER INFORMATION: /product= "Eae I restriction site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 110..116
; OTHER INFORMATION: /function= "Sac II restriction
; OTHER INFORMATION: site"
; FEATURE:

NAME/KEY: misc_feature
; LOCATION: 146..152
; OTHER INFORMATION: /function= "Nsi I restriction site"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 153..158
; OTHER INFORMATION: /function= "Sal I restriction site"
; US-08-450-834-3

Query Match 2.3%; Score 19; DB 1; Length 161;
Best Local Similarity 100.0%; Pred. No. 3.1;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 AGGAGATCTGCATGCTGG 77
Db 56 AGGAGATCTGCATGCTGG 38

RESULT 17
US-08-944-449-8
; Sequence 8, Application US/08944449
; Patent No. 5985613
; GENERAL INFORMATION:
; APPLICANT: KURTH, REINHARD
; APPLICANT: BAIER, MICHAEL
; APPLICANT: METZNER, KARIN
; APPLICANT: WERNER, ALBRECHT
; TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
; TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of
; TITLE OF INVENTION: viruses, particularly of retroviruses
; FILE REFERENCE: 8341-7065
; CURRENT APPLICATION NUMBER: US/08/944,449
; CURRENT FILING DATE: 1997-10-06
; EARLIER APPLICATION NUMBER: EP 95113013.2
; EARLIER FILING DATE: 1995-08-18
; EARLIER APPLICATION NUMBER: DE 195 13 152.5
; EARLIER FILING DATE: 1995-04-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 8
; LENGTH: 4527
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus type 1
; US-08-944-449-8

Query Match 2.2%; Score 18; DB 2; Length 4527;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 CGAGGAGACCGAGAGA 65
Db 489 CGAGGAGACCGAGAGA 506

RESULT 18
US-09-353-362-8
; Sequence 8, Application US/09353362
; Patent No. 6383739
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Use of an "immunodeficiency-virus suppressing
; TITLE OF INVENTION: lymphokine (ISL)" to inhibit the replication of viruses,
; TITLE OF INVENTION: in particular of retroviruses
; NUMBER OF SEQUENCES: 8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30B (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/353,362
; FILING DATE: 15-JUL-1999
; CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 195 13 152.5
FILING DATE: 07-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 95113013.2
FILING DATE: 18-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KLESNER, Sharon N.
REGISTRATION NUMBER: 36,335
REFERENCE/DOCKET NUMBER: P8341-9012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-5000
TELEFAX: (202) 638-4810
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 4527 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-353-362-8

Query Match 2.2%; Score 18; DB 4; Length 4527;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 48 CGAGGAGAGCCAGGAGA 65
Db 489 CGAGGAGAGCCAGGAGA 506

RESULT 19
US-09-077-098A-1
Sequence 1, Application US/09077098A
Patent No. 6544519
GENERAL INFORMATION:
APPLICANT: TOKUNAGA, Eiji
MATSUO, Kazuo
HAMADA, FukuSaburo
TOKIYOSHI, Sachio
TITLE OF INVENTION: NOVEL POLYPEPTIDE FROM HAMMOPHILUS
PARAGALLINARUM AND PROCESS FOR PREPARING THE SAME
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 624 Ninth Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/077,098A
FILING DATE: 19-May-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP97/03222
FILING DATE: 12-SEP-1997
APPLICATION NUMBER: JP 27,148/1996
FILING DATE: 19-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: KORNBAU, Anne M.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: TOKUNAGA-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 8930 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
FEATURE:
NAME/KEY: CDS
LOCATION: 8374..8929
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-077-098A-1

Query Match 2.2%; Score 18; DB 4; Length 8930;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 739 ACACGATTTTAAATAT 756
Db 207 ACACGATTTTAAATAT 224

RESULT 20
US-09-679-299A-18/C
Sequence 18, Application US/09679299A
Patent No. 6566135
GENERAL INFORMATION:
APPLICANT: Vickie L. Brown-Driver
APPLICANT: Hong Zhang
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
FILE REFERENCE: RUS-0187
CURRENT APPLICATION NUMBER: US/09/679,299A
CURRENT FILING DATE: 2000-10-04
NUMBER OF SEQ ID NOS: 164
SEQ ID NO 18
LENGTH: 17000
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-299A-18

Query Match 2.2%; Score 18; DB 4; Length 17000;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 439 GGGATTACGATTGAAA 456
Db 9511 GGGATTACGATTGAAA 9494

RESULT 21
US-09-364-206-25
Sequence 25, Application US/09364206
Patent No. 6475752
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Baugh, Mariah R.
APPLICANT: Kaser, Matthew R.
TITLE OF INVENTION: Mammalian Imidazoline Receptor
FILE REFERENCE: PC-0006 US
CURRENT APPLICATION NUMBER: US/09/364,206
CURRENT FILING DATE: 1999-07-30
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PERL Program
SEQ ID NO 25
LENGTH: 590
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: 461,517,526,535,536,561
OTHER INFORMATION: a or g or c or t, unknown, or other

FEATURE:
NAME/KEY:
OTHER INFORMATION: 1886951F6
PUBLICATION INFORMATION:
US-09-364-206-25

Query Match 2.1%; Score 17; DB 4; Length 590;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 CTGCATCAGAAAACA 22
118 CTGCATCAGAAAACA 134

RESULT 22
US-08-450-834-5/c
Sequence 5, Application US/08450834
Patent No. 5773705
GENERAL INFORMATION:
APPLICANT: Vlerstra, Richard D
APPLICANT: Hondred, David
APPLICANT: Callis, Judy
TITLE OF INVENTION: Ubiquitin Fusion Protein System for
NUMBER OF INVENTION: Protein Production in Plants
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Quarles & Brady
STREET: P.O. Box 2113
CITY: Madison
STATE: WI
COUNTRY: USA
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,834
FILING DATE: 25-MAY-1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/999,709
FILING DATE: 31-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296,92425
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 831 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: 35S/AMV/UBQ11/UBQ-GUS
FEATURE:
NAME/KEY: CDS
LOCATION: 503..730
FEATURE:
NAME/KEY: promoter
LOCATION: 1..502
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..6
OTHER INFORMATION: /function="Eco RI restriction

OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 7..12
OTHER INFORMATION: /function="Sac I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 13..18
OTHER INFORMATION: /function="Kpn I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 16..24
OTHER INFORMATION: /function="Apa I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 464..469
OTHER INFORMATION: /function="Hind III restriction
FEATURE:
NAME/KEY: misc_feature
LOCATION: 720..726
OTHER INFORMATION: /function="Sac II restriction
OTHER INFORMATION: site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 819..825
OTHER INFORMATION: /function="Bcl I restriction site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 826..831
OTHER INFORMATION: /function="Xba I restriction site"
US-08-450-834-5

Query Match 2.1%; Score 17; DB 1; Length 831;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 61 GAAGATCTGCGATGGTG 77
514 GAAGATCTGCGATGGTG 498

RESULT 23
US-09-328-475C-104/c
Sequence 104, Application US/09328475C
Patent No. 6476207
GENERAL INFORMATION:
APPLICANT: Zhang, Jimmy
APPLICANT: Astel, Jon H.
APPLICANT: Carroll III, Eddie
APPLICANT: Endege, Wilson O.
APPLICANT: Ford, Donna M.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: GENE EXPRESSION PRODUCTS THAT
FILE REFERENCE: ARE DIFFERENTIALLY REGULATED IN PROSTATE CANCER
FILE REFERENCE: 1532.002/200130.463
CURRENT APPLICATION NUMBER: US/09/328,475C
CURRENT FILING DATE: 1999-06-09
NUMBER OF SEQ ID NOS: 341
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 104
LENGTH: 1017
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1017)
OTHER INFORMATION: n = A,T,C or G
US-09-328-475C-104

Query Match 2.1%; Score 17; DB 4; Length 1017;

Best Local Similarity 100.0%; Pred. No. 39;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 536 CAAATGCATCTGTC 552
DB 170 CAAATGCATCTGTC 154

RESULT 24

US-08-976-259-10/C
Sequence 10, Application US/089/6259
Patent No. 6316609
GENERAL INFORMATION:
APPLICANT: Dillon, Patrick J.
APPLICANT: Choi, Gil H.
APPLICANT: Welch, Rodney A.
TITLE OF INVENTION: Nucleotide Sequence of Escherichia coli
Patent No. 6316609
NUMBER OF SEQUENCES: 142
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Ave, N.W., Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/976,259
FILING DATE: Herewith
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/031,626 AND US 60/061,953
ATTORNEY/AGENT INFORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0740002/EKS/CBM
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 2920 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-976-259-10

Query Match 2.1%; Score 17; DB 4; Length 2920;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 4 AGCTGCATCAGAAAA 20
DB 2421 AGCTGCATCAGAAAA 2405

RESULT 25

US-08-718-388-4/C
Sequence 4, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING IGG FC REGION-BINDING
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH

STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA

COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:

CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 3247 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-718-388-4

Query Match 2.1%; Score 17; DB 3; Length 3247;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCCACACATCTGCTG 151
DB 2721 AGGCCACACATCTGCTG 2705

RESULT 26

US-08-718-388-5/C
Sequence 5, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING IGG FC REGION-BINDING
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
LENGTH: 3661 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-718-388-5

Query Match 2.1%; Score 17; DB 3; Length 3661;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCCACACATCTGCTG 151
Db 51 AGGCCACACATCTGCTG 35

RESULT 27
US-08-793-331-5/C
Sequence 5, Application US/08793331
Patent No. 6071877
GENERAL INFORMATION:
APPLICANT: DELECLUSE, ARMELE
APPLICANT: THIERY, ISABELLE
TITLE OF INVENTION: NEW POLYPEPTIDES HAVING A TOXIC ACTIVITY AGAINST
FILE REFERENCE: 0660-0116-0 PCT
CURRENT APPLICATION NUMBER: US/08/793,331
CURRENT FILING DATE: 1997-05-13
EARLIER APPLICATION NUMBER: PCT/FR95/01116
EARLIER FILING DATE: 1995-08-24
EARLIER APPLICATION NUMBER: FR 94/10299
EARLIER FILING DATE: 1994-08-25
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 3675
TYPE: DNA
ORGANISM: B. thuringiensis ser. jegathesan
US-08-793-331-5

Query Match 2.1%; Score 17; DB 3; Length 3675;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 192 AATATATGTCTAAGTA 208
Db 555 AATATATGTCTAAGTA 539

RESULT 28
US-09-364-206-1
Sequence 1, Application US/09364206
Patent No. 6475752
GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Tang, Y. Tom
APPLICANT: Baugh, Mariah R.
APPLICANT: Kaser, Matthew R.
TITLE OF INVENTION: Mammalian Imidazole Receptor
FILE REFERENCE: PC-0006 US
CURRENT APPLICATION NUMBER: US/09/364,206
CURRENT FILING DATE: 1999-07-30
NUMBER OF SEQ ID NOS: 47
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 5128
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY:
OTHER INFORMATION: 129581CB1
PUBLICATION INFORMATION:

US-09-364-206-1

Query Match 2.1%; Score 17; DB 4; Length 5128;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 CTGGCATCAGAAAAACA 22
Db 3639 CTGGCATCAGAAAAACA 3655

RESULT 29
US-09-374-454-20
Sequence 20, Application US/09374454
Patent No. 6395548
GENERAL INFORMATION:
APPLICANT: Lee, Mi-Ep
APPLICANT: Maemura, Koji
APPLICANT: Hsieh, Chung-Ming
TITLE OF INVENTION: METHODS OF MODULATING OF ANGIOGENESIS
FILE REFERENCE: 05433/037001
CURRENT APPLICATION NUMBER: US/09/374,454
CURRENT FILING DATE: 1999-08-13
EARLIER APPLICATION NUMBER: US 60/096,515
EARLIER FILING DATE: 1998-08-14
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 20
LENGTH: 6792
TYPE: DNA
ORGANISM: Homo sapiens
US-09-374-454-20

Query Match 2.1%; Score 17; DB 4; Length 6792;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 751 AATATTTAGTTCCACA 767
Db 6101 AATATTTAGTTCCACA 6117

RESULT 30
US-08-718-388-6/C
Sequence 6, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING Igg FC REGION-BINDING
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 7824 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 21..7802
US-08-718-388-6

Query Match 2.1%; Score 17; DB 3; Length 7824;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 AGGCCACACATCTGCTG 151
|||||
Db 4186 AGGCCACACATCTGCTG 4170

RESULT 31
US-09-620-312D-75
Sequence 75, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyun
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tiliinhast
APPLICANT: Dmanac, Radote F.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: PL_FL_genes Version 1.0
SEQ ID NO 75
LENGTH: 13657
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(13857)
US-09-620-312D-75

Query Match 2.1%; Score 17; DB 4; Length 13857;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 331 GCCTGTGCTGCTGCC 347
|||||
Db 5293 GCCTGTGCTGCTGCC 5309

RESULT 32
US-08-922-635-21
Sequence 21, Application US/08922635A
Patent No. 6033871
GENERAL INFORMATION:
APPLICANT: PILETZ, John E.
APPLICANT: IVANOV, Tina R.
TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES
FILE REFERENCE: AND POLYPEPTIDES ENCODED THEREBY
Patent No. 6033871
CURRENT APPLICATION NUMBER: US/08/922,635A
CURRENT FILING DATE: 1997-09-03
EARLIER APPLICATION NUMBER: 08/650,766
EARLIER FILING DATE: 1996-05-20
EARLIER APPLICATION NUMBER: 60/012,600
EARLIER FILING DATE: 1996-03-01
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 15202
TYPE: DNA
ORGANISM: Homo sapiens
US-08-922-635-21

Query Match 2.1%; Score 17; DB 3; Length 15202;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 CTGCATCAGAAAACA 22
|||||
Db 11927 CTGCATCAGAAAACA 11943

RESULT 33
US-08-718-388-8/c
Sequence 8, Application US/08718388
Patent No. 6271362
GENERAL INFORMATION:
APPLICANT: MORIKAWA, MINORU
APPLICANT: HARADA, NAOKI
TITLE OF INVENTION: GENE ENCODING Igg Fc REGION-BINDING
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/718,388
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR, GERALD M
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 0230-111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8050
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 16382 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 9..16223
US-08-718-388-8

Query Match 2.1%; Score 17; DB 3; Length 16382;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 135 AGCCACACATCTGCTG 151
|||||
DB 4174 AGCCACACATCTGCTG 4158

RESULT 34
US-08-923-137-2
Sequence 2, Application US/08923137
Patent No. 6083716

GENERAL INFORMATION:
APPLICANT: Wilson, James M.
APPLICANT: Farina, Steven F.
APPLICANT: Fisher, Krishna J.
TITLE OF INVENTION: Chimpanzee Adenovirus Vectors
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr., P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: United States of America
ZIP: 19477

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/923,137
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/024,700
FILING DATE: 06-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.

REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GNVN.021CIPUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9200
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 36519 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: CDNA
US-08-923-137-2

Query Match 2.1%; Score 17; DB 3; Length 36519;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 161 TAATTAACATCACTAGA 177
|||||
DB 28815 TAATTAACATCACTAGA 28831

RESULT 35
US-09-816-093-3
Sequence 3, Application US/09816093

Patent No. 6518055
GENERAL INFORMATION:
APPLICANT: GAN, Weidun et al
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
FILE REFERENCE: CL001182
CURRENT APPLICATION NUMBER: US/09/816,093
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 46718
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(46718)
OTHER INFORMATION: n = A,T,C or G
US-09-816-093-3

Query Match 2.1%; Score 17; DB 4; Length 46718;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 745 ATTTTAATTTAGTT 761
|||||
DB 30015 ATTTTAATTTAGTT 30031

RESULT 36
US-09-803-671B-3
Sequence 3, Application US/09803671B
Patent No. 6582946
GENERAL INFORMATION:
APPLICANT: WEBSTER, Marion et al
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
FILE REFERENCE: CL001161
CURRENT APPLICATION NUMBER: US/09/803,671B
CURRENT FILING DATE: 2001-03-12
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 64467
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(64467)
OTHER INFORMATION: n = A,T,C or G
US-09-803-671B-3

Query Match 2.1%; Score 17; DB 4; Length 64467;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 446 CAGATTGAATGAACT 462
|||||
DB 27726 CAGATTGAATGAACT 27742

RESULT 37
US-08-916-421B-1/C
Sequence 1, Application US/08916421B
Patent No. 6503729
GENERAL INFORMATION:
APPLICANT: Bult et al.
TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methano
Patent No. 6503729
TITLE OF INVENTION: Jannaschil
FILE REFERENCE: PB275

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: CURRENT APPLICATION NUMBER: US/08/916,421B
: CURRENT FILING DATE: 1997-08-22
: PRIOR APPLICATION NUMBER: US 60/024,428
: PRIOR FILING DATE: 1996-08-22
: NUMBER OF SEQ ID NOS: 3
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 1
: LENGTH: 1664976
: TYPE: DNA
: ORGANISM: Methanococcus jannaschii
: FEATURE:
: NAME/KEY: misc-feature
: LOCATION: (28222)..(28222)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (28257)..(28258)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (84773)..(84773)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (84808)..(84808)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (84812)..(84812)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (98120)..(98120)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (98159)..(98159)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (98239)..(98239)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (98266)..(98266)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (98343)..(98343)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (103998)..(103998)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (148948)..(148948)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (163385)..(163385)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (191899)..(191899)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (191995)..(191995)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (231980)..(231980)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (23187)..(23187)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (234220)..(234220)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (234814)..(234814)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (309398)..(309398)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (309418)..(309418)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (312837)..(312837)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (312993)..(312993)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (319226)..(319226)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (559167)..(559167)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (600992)..(600992)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (622708)..(622708)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (657081)..(657081)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (657203)..(657203)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (674435)..(674435)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (682442)..(682442)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (713652)..(713652)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (741684)..(741684)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (779455)..(779455)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (779676)..(779676)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (855539)..(855539)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (871619)..(871619)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (1084830)..(1084830)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (1096846)..(1096846)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (1119881)..(1119881)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (1130881)..(1130881)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (1310988)..(1310988)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (1313224)..(1313224)
: OTHER INFORMATION: n equals a, t, c, or g
: NAME/KEY: misc-feature
: LOCATION: (1349473)..(1349473)
: OTHER INFORMATION: n equals a, t, c, or g
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NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1470091)..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1569020)..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1602912)..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1603734)..(1603734)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1637998)..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1664854)..(1664854)
OTHER INFORMATION: n equals a, t, c, or g
US-08-916-421B-1

Query Match 2.18; Score 17; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 745 ATTTTAAATTTAGTT 761
Db 1490169 ATTTTAAATTTAGTT 1490153

RESULT 38
US-09-705-299-79
Sequence 79, Application US/09705299
Patent No. 6440737
GENERAL INFORMATION:
APPLICANT: Lex M. Cowsett
APPLICANT: Susan M. Freiler
TITLE OF INVENTION: ANTISENSE MODULATION OF CELLULAR APOPTOSIS SUSCEPTIBILITY GENE
FILE REFERENCE: RTS-0174
CURRENT APPLICATION NUMBER: US/09/705,299
CURRENT FILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 86
SEQ ID NO: 79
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-705-299-79

Query Match 2.0%; Score 16; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 11e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 441 GATTACAGATTGAAA 456
Db 3 GATTACAGATTGAAA 18

RESULT 39
US-09-046-247-45/C
Sequence 45, Application US/09046247
Patent No. 6124449
GENERAL INFORMATION:
APPLICANT: NIKOS PAGRATIS
APPLICANT: LARRY GOLD
TITLE OF INVENTION: HIGH AFFINITY TGF β NUCLEIC
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson and Bratschun, L.L.C.
STREET: 8400 East Prentice Avenue, Suite #200

CITY: Denver
STATE: Colorado
COUNTRY: USA
ZIP: 80111
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: MS DOS
SOFTWARE: Word 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/046,247
FILING DATE: 23-MARCH-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/458,424
FILING DATE: 2-JUNE-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/714,131
FILING DATE: 10-JUNE-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/536,428
FILING DATE: 11-JUNE-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/964,624
FILING DATE: 21-OCTOBER-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/117,991
FILING DATE: 8-SEPTEMBER-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/931,473
FILING DATE: 17-AUGUST-1992
ATTORNEY/AGENT INFORMATION:
NAME: Barry Swanson
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: NEX 34.2/CTP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 793-3333
TELEFAX: (303) 793-3433
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
FEATURE:
OTHER INFORMATION: All pyrimidines are 2'-F modified
US-09-046-247-45

Query Match 2.0%; Score 16; DB 3; Length 51;
Best Local Similarity 100.0%; Pred. No. 11e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 398 TGGGACAGAAACAGA 413
Db 37 TGGGACAGAAACAGA 22

RESULT 40
US-08-379-482A-3/C
Sequence 3, Application US/08379482A
Patent No. 5859334
GENERAL INFORMATION:
APPLICANT: Brugliera, Filippa
APPLICANT: Holton, Timothy A.
TITLE OF INVENTION: GENETIC SEQUENCES ENCODING
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City

STATE: New York
COUNTRY: USA
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/379,482A
FILING DATE: 30-JUL-1993
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Digilio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 9590
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516)742-4343
TELEFAX: (516)742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 89 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 30..89
US-08-379-482A-3

Query Match 2.0%; Score 16; DB 2; Length 89;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 719 CATCTCCATATATCC 734
|||||
DB 39 CATCTCCATATATCC 24

RESULT 41
US-09-328-352-2419
Sequence 2419, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 2419
LENGTH: 219
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-2419

Query Match 2.0%; Score 16; DB 4; Length 219;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 214 ATGTTTGCACATTT 229
|||||
DB 83 ATGTTTGCACATTT 98

RESULT 42
US-08-466-033-27/c
Sequence 27, Application US/08466033
Patent No. 5766840
GENERAL INFORMATION:

APPLICANT: Kim, Jungsub P.
APPLICANT: Wages, John
APPLICANT: Young, Layonne M.
APPLICANT: Fry, Kirk E.
APPLICANT: Linmen, Jeffrey M.
TITLE OF INVENTION: Hepatitis G Virus and Molecular
NUMBER OF SEQUENCES: 277
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave., Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,033
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/389,886
FILING DATE: 15-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,509
FILING DATE: 16-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/329,729
FILING DATE: 26-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/344,271
FILING DATE: 23-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/285,558
FILING DATE: 03-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/285,543
FILING DATE: 03-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/246,985
FILING DATE: 20-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Fabian, Gary R.
REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0880
TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Consensus Sequence 3E3
Patent No. 5766840
US-08-466-033-27

Query Match 2.0%; Score 16; DB 1; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 586 ACCACGGGGCAGAGGG 601
|||||
DB 266 ACCACGGGGCAGAGGG 251

RESULT 43
US-08-444-733-27/c
; Sequence 27, Application US/08444733
; Patent No. 5824507
; GENERAL INFORMATION:
; APPLICANT: Kim, Jungsuh P.
; APPLICANT: Wages, John
; APPLICANT: Young, Lavonne M.
; APPLICANT: Fry, Kirk E.
; APPLICANT: Linnen, Jeffrey M.
; TITLE OF INVENTION: Hepatitis G Virus and Molecular
; NUMBER OF SEQUENCES: 277
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,733
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/389,886
; FILING DATE: 15-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/357,509
; FILING DATE: 16-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/329,729
; FILING DATE: 26-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/344,271
; FILING DATE: 23-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/285,558
; FILING DATE: 03-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/285,543
; FILING DATE: 03-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/246,985
; FILING DATE: 20-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fabian, Gary R.
; REGISTRATION NUMBER: 33,875
; REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 430 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: Consensus Sequence 3E3
; Patent No. 5824507
US-08-444-733-27

Query Match 2.0%; Score 16; DB 1; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB 266 ACCACGGGCGACAGG 251
OY 586 ACCACGGGCGACAGG 601
|||||
; US-08-464-134-27/c
; Sequence 27, Application US/08464134
; Patent No. 5849532
; GENERAL INFORMATION:
; APPLICANT: Kim, Jungsuh P.
; APPLICANT: Wages, John
; APPLICANT: Young, Lavonne M.
; APPLICANT: Fry, Kirk E.
; APPLICANT: Linnen, Jeffrey M.
; TITLE OF INVENTION: Hepatitis G Virus and Molecular
; NUMBER OF SEQUENCES: 277
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave., Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,134
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/389,886
; FILING DATE: 15-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/357,509
; FILING DATE: 16-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/329,729
; FILING DATE: 26-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/344,271
; FILING DATE: 23-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/285,558
; FILING DATE: 03-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/246,985
; FILING DATE: 20-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fabian, Gary R.
; REGISTRATION NUMBER: 33,875
; REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 430 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Consensus Sequence 3E3
Patent No. 5849532
US-08-461-134-27

Query Match 2.0%; Score 16; DB 2; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 586 ACCACGGGGCAGAGG 601
|||||
DB 266 ACCACGGGGCAGAGG 251

RESULT 45
US-08-461-361-27/c

Sequence 27, Application US/08461361
Patent No. 5856134

GENERAL INFORMATION:

APPLICANT: Kim, Jungsuh P.

APPLICANT: Waages, John

APPLICANT: Young, Layonne M.

APPLICANT: Fry, Kirk E.

APPLICANT: Linnen, Jeffrey M.

TITLE OF INVENTION: Hepatitis G Virus and Molecular

CLONING THEREOF

NUMBER OF SEQUENCES: 277

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates

STREET: 350 Cambridge Ave., Suite 250

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/461,361

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/389,886

FILING DATE: 15-FEB-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/357,509

FILING DATE: 16-DEC-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/329,729

FILING DATE: 26-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,271

FILING DATE: 23-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/285,558

FILING DATE: 03-AUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/285,543

FILING DATE: 03-AUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/246,985

FILING DATE: 20-MAY-1994

ATTORNEY/AGENT INFORMATION:

NAME: Fabian, Gary R.

REGISTRATION NUMBER: 33,875

REFERENCE/DOCKET NUMBER: 4600-0201.36/G100P11

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 324-0880

TELEFAX: (415) 324-0960

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 430 base pairs

TYPE: nucleic acid

STRANDEDNESS: both

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: Consensus Sequence 3E3

Patent No. 5856134

US-08-461-361-27

Query Match 2.0%; Score 16; DB 2; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 586 ACCACGGGGCAGAGG 601
|||||

DB 266 ACCACGGGGCAGAGG 251

Search completed: September 29, 2003, 14:55:34
Job time : 57.1349 secs

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OM nucleic - nucleic search, using sw model

Run on: September 29, 2003, 14:39:34 ; Search time 214.636 Seconds
(without alignments)
7366.135 Million cell updates/sec

Title: US-09-402-713A-6
Perfect score: 3582
Sequence: 1 acagaagaataagcaatgac.....tgattcttcttaccacttc 3582

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries

Database : Issued_Patents_MA:*

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- 2: /cgn2_6/ptodata/1/lna/5B-COMB.seq:*
- 3: /cgn2_6/ptodata/1/lna/6A-COMB.seq:*
- 4: /cgn2_6/ptodata/1/lna/6B-COMB.seq:*
- 5: /cgn2_6/ptodata/1/lna/PCtUS-COMB.seq:*
- 6: /cgn2_6/ptodata/1/lna/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1364	38.1	3112	US-09-439-313-468	Sequence 468, App
2	1364	38.1	3112	US-09-352-616A-468	Sequence 468, App
3	1357	37.9	2426	US-09-439-313-470	Sequence 470, App
4	1357	37.9	2426	US-09-352-616A-470	Sequence 470, App
5	1123	31.4	2229	US-09-439-313-469	Sequence 469, App
6	1123	31.4	2229	US-09-352-616A-469	Sequence 469, App
7	720	20.1	812	US-09-439-313-471	Sequence 471, App
8	720	20.1	812	US-09-352-616A-471	Sequence 471, App
9	201	5.6	718	US-09-439-313-313	Sequence 313, App
10	201	5.6	718	US-09-352-616A-313	Sequence 313, App
11	201	5.6	718	US-09-233-149A-313	Sequence 313, App
12	179	5.0	301	US-09-439-313-287	Sequence 287, App
13	179	5.0	301	US-09-352-616A-287	Sequence 287, App
14	179	5.0	301	US-09-233-149A-287	Sequence 287, App
15	127	3.5	283	US-09-439-313-235	Sequence 235, App
16	127	3.5	283	US-09-352-616A-235	Sequence 235, App
17	127	3.5	283	US-09-233-149A-235	Sequence 235, App
18	29	0.8	540	US-09-220-132-125	Sequence 125, App
19	29	0.8	1867	US-08-607-509-3	Sequence 3, Appli
20	29	0.8	1867	US-08-634-642-3	Sequence 3, Appli
21	29	0.8	1867	US-08-989-370-3	Sequence 3, Appli
22	29	0.8	2169	US-08-806-326-5	Sequence 5, Appli
23	29	0.8	3925	US-08-793-044-1	Sequence 1, Appli
24	29	0.8	48974	US-08-920-422-17	Sequence 17, Appli
25	28	0.8	12141	US-09-488-671-10	Sequence 10, Appli
26	27	0.8	65	US-08-222-177A-116	Sequence 116, Appli
27	27	0.8	65	US-08-222-177A-421	Sequence 421, Appli

c 28	27	0.8	72	1	US-08-222-177A-131	Sequence 131, App
c 29	27	0.8	72	1	US-08-222-177A-427	Sequence 427, App
c 30	27	0.8	128	4	US-09-354-147C-33	Sequence 33, Appli
c 31	27	0.8	194	1	US-08-222-177A-15	Sequence 15, Appli
c 32	27	0.8	240	1	US-08-222-177A-30	Sequence 30, Appli
c 33	27	0.8	264	1	US-08-222-177A-10	Sequence 10, Appli
c 34	27	0.8	298	1	US-08-599-252-88	Sequence 88, Appli
c 35	27	0.8	298	5	PCT-US96-06352-88	Sequence 88, Appli
c 36	27	0.8	298	5	PCT-US96-06583-88	Sequence 88, Appli
c 37	27	0.8	835	5	US-09-171-209-42	Sequence 42, Appli
c 38	27	0.8	1325	4	US-08-915-795-6	Sequence 6, Appli
c 39	27	0.8	1526	4	US-09-495-050A-293	Sequence 293, App
c 40	27	0.8	1803	4	US-08-907-706-2	Sequence 2, Appli
c 41	27	0.8	1803	4	US-09-909-595-3	Sequence 3, Appli
c 42	27	0.8	1816	4	US-09-645-926A-5	Sequence 5, Appli
c 43	27	0.8	2040	1	US-08-393-985-17	Sequence 17, Appli
c 44	27	0.8	3000	1	US-08-393-985-3	Sequence 3, Appli
c 45	27	0.8	3001	4	US-09-539-333D-167	Sequence 167, App
c 46	27	0.8	3001	4	US-09-539-333D-184	Sequence 184, App
c 47	27	0.8	3172	1	US-07-741-940-3	Sequence 3, Appli
c 48	27	0.8	3172	1	US-08-289-548A-3	Sequence 3, Appli
c 49	27	0.8	3172	1	US-08-452-654-3	Sequence 3, Appli
c 50	27	0.8	3172	1	US-08-452-655B-3	Sequence 3, Appli
c 51	27	0.8	3172	3	US-08-450-582-3	Sequence 3, Appli
c 52	27	0.8	3172	4	US-08-449-731-3	Sequence 3, Appli
c 53	27	0.8	3481	3	US-08-965-729A-1	Sequence 1, Appli
c 54	27	0.8	3757	2	US-09-016-366A-13	Sequence 13, Appli
c 55	27	0.8	3757	2	US-08-978-404B-19	Sequence 19, Appli
c 56	27	0.8	4080	4	US-09-016-434-1342	Sequence 1342, App
c 57	27	0.8	4695	4	US-09-620-312D-379	Sequence 379, App
c 58	27	0.8	10409	3	US-08-772-440-33	Sequence 33, Appli
c 59	27	0.8	22846	2	US-08-469-461-3	Sequence 3, Appli
c 60	27	0.8	22846	3	US-07-890-609-3	Sequence 3, Appli
c 61	27	0.8	30310	4	US-09-657-346A-96	Sequence 96, Appli
c 62	27	0.8	44453	4	US-09-146-053-5	Sequence 5, Appli
c 63	27	0.8	70000	4	US-09-851-896-3	Sequence 3, Appli
c 64	27	0.8	319608	4	US-09-539-333D-1	Sequence 1, Appli
c 65	27	0.8	50	1	US-08-679-409-1	Sequence 1, Appli
c 66	26	0.7	50	1	US-08-222-177A-379	Sequence 379, App
c 67	26	0.7	56	1	US-08-222-177A-65	Sequence 65, Appli
c 68	26	0.7	60	1	US-08-222-177A-244	Sequence 244, App
c 69	26	0.7	91	1	US-08-222-177A-166	Sequence 166, App
c 70	26	0.7	92	1	US-08-222-177A-430	Sequence 430, App
c 71	26	0.7	141	3	US-08-750-064-3	Sequence 3, Appli
c 72	26	0.7	141	3	US-08-545-196B-16	Sequence 16, Appli
c 73	26	0.7	143	1	US-08-222-177A-18	Sequence 18, Appli
c 74	26	0.7	175	1	US-08-222-177A-4	Sequence 4, Appli
c 75	26	0.7	210	1	US-08-222-177A-23	Sequence 23, Appli
c 76	26	0.7	214	1	US-08-222-177A-37	Sequence 37, Appli
c 77	26	0.7	228	1	US-08-222-177A-43	Sequence 43, Appli
c 78	26	0.7	270	1	US-08-222-177A-51	Sequence 51, Appli
c 79	26	0.7	287	4	US-09-544-618-13	Sequence 13, Appli
c 80	26	0.7	469	1	US-08-318-905-20	Sequence 20, Appli
c 81	26	0.7	469	1	US-08-483-232-20	Sequence 20, Appli
c 82	26	0.7	469	1	US-08-483-140-20	Sequence 20, Appli
c 83	26	0.7	469	2	US-08-483-938A-20	Sequence 20, Appli
c 84	26	0.7	469	2	US-08-910-041-20	Sequence 20, Appli
c 85	26	0.7	469	3	US-09-328-474-20	Sequence 20, Appli
c 86	26	0.7	469	3	US-09-100-546-20	Sequence 20, Appli
c 87	26	0.7	469	3	US-09-010-715-20	Sequence 20, Appli
c 88	26	0.7	469	3	US-09-577-758-20	Sequence 20, Appli
c 89	26	0.7	1024	4	US-09-328-475C-45	Sequence 45, Appli
c 90	26	0.7	1024	4	US-09-328-475C-46	Sequence 46, Appli
c 91	26	0.7	1212	4	US-09-218-467B-5	Sequence 5, Appli
c 92	26	0.7	1379	4	US-09-620-312D-791	Sequence 791, App
c 93	26	0.7	1400	2	US-08-001-078A-2	Sequence 2, Appli
c 94	26	0.7	1400	5	PCT-US94-00253-2	Sequence 2, Appli
c 95	26	0.7	1427	2	US-08-852-807-4	Sequence 4, Appli
c 96	26	0.7	1462	4	US-09-620-312D-788	Sequence 788, App
c 97	26	0.7	1561	4	US-09-620-312D-789	Sequence 789, App
c 98	26	0.7	1553	4	US-09-461-325-74	Sequence 74, Appli
c 99	26	0.7	1560	3	US-08-629-643A-3	Sequence 3, Appli
c 100	26	0.7				

ALIGNMENTS

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RESULT 1
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solik, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439, 313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-468

Query Match      38.1%; Score 1364; DB 4; Length 3112;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

OY      285 GGTGAGAAATAGAAAAGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAATGG 344
DB      1313 GGTGAGAAATAGAAAAGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAATGG 1372
OY      345 AGATATTAACATCATAGAAAAGCAAGATGACATATATGTCTTAAGTAGACATGT 404
DB      1373 AGATATTAACATCATAGAAAAGCAAGATGACATATATGTCTTAAGTAGACATGT 1432
OY      405 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGAGAAGCAAAAAGAGCAC 464
DB      1433 TTTTGACATTTCCAGCCCTTTAAATATCCACACACAGAGAAGCAAAAAGAGCAC 1492
OY      465 AGAGATCCCTGGGAGAAATGCCGCCGCCCATCTGGGTCAATGATGAGCCTGCCCTGT 524
DB      1493 AGAGATCCCTGGGAGAAATGCCGCCGCCCATCTGGGTCAATGATGAGCCTGCCCTGT 1552
OY      525 GCGTGTCCCGCTTGAGAGGAAAGACATTAGAAAATGAATGATGTCTCTTAAGGA 584
DB      1553 GCGTGTCCCGCTTGAGAGGAAAGACATTAGAAAATGAATGATGTCTCTTAAGGA 1612
OY      585 TGGGCGAGAAAACAGATCTGTTGTGATATTTATTTGAACGGGATTACAGATTGAAAT 644
DB      1613 TGGGCGAGAAAACAGATCTGTTGTGATATTTATTTGAACGGGATTACAGATTGAAAT 1672
OY      645 GAAGTACAAAGTAGACATTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGCTT 704
DB      1673 GAAGTACAAAGTAGACATTACCAATGAGAGAAAACAGACGAGAAAATCTTGATGGCTT 1732
OY      705 CACAACATGCAACAAGAAATGAATATCTGTGATGACATAGACAGCAAGCTGGGG 764
DB      1733 CACAACATGCAACAAGAAATGAATATCTGTGATGACATAGACAGCAAGCTGGGG 1792
OY      765 AGAGATTAACACAGGGGAGAGGCTGAGATTCTGGCCCTGCTAAACTTGCGTTT 824
DB      1793 AGAGATTAACACAGGGGAGAGGCTGAGATTCTGGCCCTGCTAAACTTGCGTTT 1852
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OY      825 ATACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCTGATCTC 884
DB      1853 ATACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCTGATCTC 1912
OY      885 TACGGTTCCTTCTGGGGCCCAACATTTCCATATATCCAGCACATCATTTTAAATTTT 944
DB      1913 TACGGTTCCTTCTGGGGCCCAACATTTCCATATATCCAGCACATCATTTTAAATTTT 1972
OY      945 AGTTCCAGATCTGTACTGTGACCTTTCTACATGTAATTAACATTAATCAATTTGTGTC 1004
DB      1973 AGTTCCAGATCTGTACTGTGACCTTTCTACATGTAATTAACATTAATCAATTTGTGTC 2032
OY      1005 AAAGACCTTCTGTTGCTGCTCCCTAATATGATGACTGTCTTTCTTAAGAGCTGTCTG 1064
DB      2033 AAAGACCTTCTGTTGCTGCTCCCTAATATGATGACTGTCTTTCTTAAGAGAGTCTGTC 2092
OY      1065 GCCCAGGGATCTGTGACAGGGCTGGAGAGCATCTCAAGATCTTTCCAGGGTTATCTTA 1124
DB      2093 GCCCAGGGATCTGTGACAGGGCTGGAGAGCATCTCAAGATCTTTCCAGGGTTATCTTA 2152
OY      1125 CTAGCACACGACATGATTCATTAGGAGTGAATTAATCAATCATCTCAGTGTCT 1184
DB      2153 CTAGCACACGACATGATTCATTAGGAGTGAATTAATCAATCATCTCAGTGTCT 2212
OY      1185 TTGCCCATACTGAATTCATTTCACATTTTGTGCCCATCTTCAGACCTCAAAATGTCA 1244
DB      2213 TTGCCCATACTGAATTCATTTCACATTTTGTGCCCATCTTCAGACCTCAAAATGTCA 2272
OY      1245 TTCCATTAATATACAGAGATTAACCTTTTAAACCTGGAAGAAATTCATGTTACATG 1304
DB      2273 TTCCATTAATATACAGAGATTAACCTTTTAAACCTGGAAGAAATTCATGTTACATG 2332
OY      1305 CACCTATGGGAATTTATATACATATTTGTTTCCAGTAAAGATGACATGACCTCTTA 1364
DB      2333 CACCTATGGGAATTTATATACATATTTGTTTCCAGTAAAGATGACATGACCTCTTA 2392
OY      1365 TCCCTCCCTTTGTTGATTTTTCACATATAAGTTAAATGCTTAGCCTTGATCTG 1424
DB      2393 TCCCTCCCTTTGTTGATTTTTCACATATAAGTTAAATGCTTAGCCTTGATCTG 2452
OY      1425 AGGCTATATACAG-CACAGCCTCTCCCATCCCTCCAGCTTATCTGTATACATCATCA 1483
DB      2453 AGGCTATATACAGCCACAGCCTCTCCCATCCCTCCAGCTTATCTGTATACATCA 2512
OY      1484 CCCCTCCCATACCACTTAACAAATCTAATCTGAATTCCTTGAACATGTCCAGACATA 1543
DB      2513 CCCCTCCCAT-GCACCTAAACAAATCTAATCTGAATTCCTTGAACATGTCCAGG-CATA 2570
OY      1544 CATTAATCTTCTGCTGAGAGCTCTTCTCTTCTTAATCTGAATGATGTAAGT 1603
DB      2571 CATTAATCTTCTGCTGAGAGCTCTTCTCTTCTTAATCTGAATGATGTAAGT 2630
OY      1604 TTTGAATTAAGTTAGATCTTACTTTCATGAAAGAGGGACACATGATGATTCATCATC 1663
DB      2631 TTTGAATTAAGTTAGATCTTACTTTCATGAAAGAGGGACACATGATGATTCATCATC 2690
OY      1664 ACATGAGACGCAAAATCTAAAGTGAATTTGATTAATGAAGTTAGATAAATATATGA 1723
DB      2691 ACATGAGACGCAAAATCTAAAGTGAATTTGATTAATGAAGTTAGATAAATATATGA 2750
OY      1724 AATGCAAGACCCACAGAGGAATGTTATGAGGACAGTTTGAAGCTGTGGATGTGAAC 1783
DB      2751 AATGCAAGAGCCACAGAGGAATGTTATGAGGACAGTTTGAAGCTGTGGATGTGAAC 2810
OY      1784 AAAGGAGGGAACCTGATGATCTAATTAATATATCTCATTTCTCTAATCTATACCA 1843
DB      2811 AAAGGAGGGAACCTGATGATCTAATTAATATATCTCATTTCTCTAATCTATACCA 2870
OY      1844 ATATCCAAAGCTTTTCAACAGATTCATGACATGCAATCCCAAGGTAACCTTTATC 1903
DB      2871 ATATCCAAAGCTTTTCAACAGATTCATGACATGCAATCCCAAGGTAACCTTTATC 2930
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QY 1904 CATTTCAGTGTAGTGGCTTTAGATTTTGGCAATCATCTGCTACTTATCTCAACT 1963
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DB 2991 CATTTCAGTGTAGTGGCTTTAGATTTTGGCAATCATCTGCTACTTATCTCAACT 2990
QY 1964 TTGAGATGTGTGTCTCTTGTAGTTAATTAAGAAATAGGCACTCTTGTAGCCACTT 2023
|||||
DB 2991 TTGAGATGTGTGTCTCTTGTAGTTAATTAAGAAATAGGCACTCTTGTAGCCACTT 3050
QY 2024 TAGGTTCACTCTGGCAATTAAGATTTTACAAGAGC 2061
|||||
DB 3051 TAGGTTCACTCTGGCAATTAAGATTTTACAAGAGC 3088

RESULT 2
US-09-352-616A-468
; Sequence 468: Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yungui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

Query Match 38.1%; Score 1364; DB 4; Length 3112;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1774: Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY 285 GGTGGAATAAAGAAAGCTCTGACTTACCATCTGAGGCCACACATCTGCTGAATGG 344
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DB 1313 GGTGGAATAAAGAAAGCTCTGACTTACCATCTGAGGCCACACATCTGCTGAATGG 1372
QY 345 AGATTAATTAACATCTCTGAAAGACAGATGACAAATTAATGTAGTAGTGCATGT 404
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DB 1373 AGATTAATTAACATCTCTGAAAGACAGATGACAAATTAATGTAGTAGTGCATGT 1432
QY 405 TTTTGACATTTCCAGCCCTTTTAATATCCACACACAGAGAAACACAAAAGAAAGAC 464
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DB 1433 TTTTGACATTTCCAGCCCTTTTAATATCCACACACAGAGAAACACAAAAGAAAGAC 1492
QY 465 AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCGATGAGCCCTGCCCTGT 524
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DB 1493 AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCGATGAGCCCTGCCCTGT 1552
QY 525 GCGTGTCCCGCTGTGAGGGAAGACATTAAGAAATGAATTAATGATGTCTCTTAAAGGA 584
|||||
DB 1553 GCGTGTCCCGCTGTGAGGGAAGACATTAAGAAATGAATTAATGATGTCTCTTAAAGGA 1612
QY 585 TGGGAGAGAAACAGATCTGTGTGATATTTATTTAGCGGATTTACAGATTTGAAT 644
|||||
DB 1613 TGGGAGAGAAACAGATCTGTGTGATATTTATTTAGCGGATTTACAGATTTGAAT 1672
QY 645 GAATGACAAAGTGACATTAACCAATGAGAGAAACAGAGAGAAATCTTGTATGCTT 704
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DB 1673 GAATGACAAAGTGACATTAACCAATGAGAGAAACAGAGAGAAATCTTGTATGCTT 1732
QY 705 CACAAGACATGCAAAACAAATGAGATGATGATGACATGAGAGCCAGCTGGGG 764
|||||
DB 1733 CACAAGACATGCAAAACAAATGAGATGATGATGACATGAGAGCCAGCTGGGG 1792
QY 765 AGAGATTAACCAAGGAGGAGAGGATCTGAGATTTCTGCTGCTTAAACTGTGCTTC 824
|||||

DB 1793 AGAGATTAACCAAGGAGGAGAGGATCTGAGATTTGCGCTGCTTAAACTGTGCTTC 1852
QY 825 ATACCAATATATTTCAATTTCTTAACCTCAAAAACAAAGCTGTGTATATCTGATCTC 884
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DB 1853 ATACCAATATATTTCAATTTCTTAACCTCAAAAACAAAGCTGTGTATATCTGATCTC 1912
QY 885 TACGTTCTCTCTGGGGCCCAACATCTCCATATATCCAGCACACTCTTTTAAATATT 944
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DB 1913 TACGTTCTCTCTGGGGCCCAACATCTCCATATATCCAGCACACTCTTTTAAATATT 1972
QY 945 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATTAATTAATTAATTTGTC 1004
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DB 1973 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATTAATTAATTAATTTGTC 2032
QY 1005 AAGAGCCCTGTGTGTGCTGCTTATATGATGATGATGATGATGATGATGATGATG 1064
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DB 2033 AAGAGCCCTGTGTGTGCTGCTTATATGATGATGATGATGATGATGATGATGATG 2092
QY 1065 GCGGAGGAGATCTGTGAACAGGCTGGGAAGACATCTCAAGATCTTCCAGGTTATCTTA 1124
|||||
DB 2093 GCGGAGGAGATCTGTGAACAGGCTGGGAAGACATCTCAAGATCTTCCAGGTTATCTTA 2152
QY 1125 CTAGCACACACATGATCATTAAGAGATTAATCTAATCAACATCAATCTCACTGTCT 1184
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DB 2153 CTAGCACACACATGATCATTAAGAGATTAATCTAATCAACATCAATCTCACTGTCT 2212
QY 1185 TTGCCATACATGAATTAATTTCCAGCTTTGTGCGCCATCTGCAAGACCTCAAAATGCA 1244
|||||
DB 2213 TTGCCATACATGAATTAATTTCCAGCTTTGTGCGCCATCTGCAAGACCTCAAAATGCA 2272
QY 1245 TTCCATTAATTAACAGATTAATTTTAACTTTTAACTGGAAGATTAATTAATTAATG 1304
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DB 2273 TTCCATTAATTAACAGATTAATTTTAACTTTTAACTGGAAGATTAATTAATTAATG 2332
QY 1305 CAGCTATGGAATTAATTAATTAATTTTAACTTTTAACTGGAAGATTAATTAATTAATG 1364
|||||
DB 2333 CAGCTATGGAATTAATTAATTAATTTTAACTTTTAACTGGAAGATTAATTAATTAATG 2392
QY 1365 TCCCTCCCTCTTGTGTGATTTTTCAGATTAATTAATTAATTAATTAATTAATTAATG 1424
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DB 2393 TCCCTCCCTCTTGTGTGATTTTTCAGATTAATTAATTAATTAATTAATTAATTAATG 2452
QY 1425 AGGCTGTATACAG -CACAGCCCTCCCATCCCTCCAGCTTAATGATCATCACATCA 1483
|||||
DB 2453 AGGCTGTATACAGCCAGCCCTCCCATCCCTCCAGCTTAATGATCATCACATCA 2512
QY 1484 CCCCCTCCATACACCTTAACAAATCTAATCTTGAATCTTGAACATGTCAGACATA 1543
|||||
DB 2513 CCCCCTCCAT -CCACTTAACAAATCTAATCTTGAATCTTGAACATGTCAGG -CATA 2570
QY 1544 CATTTTCTCTTGTGCTGAGAAAGCTTCTCTCTTAAATCTAGAAATGATGTAAGT 1603
|||||
DB 2571 CATTTTCTCTTGTGCTGAGAAAGCTTCTCTCTTAAATCTAGAAATGATGTAAGT 2630
QY 1604 TTTGAATTAAGTTGATCTTACTCATGCAAAAGAGGACACATATAGATTCATCTC 1663
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DB 2631 TTTGAATTAAGTTGATCTTACTCATGCAAAAGAGGACACATATAGATTCATCTC 2690
QY 1664 ACATGAGACAGCAATTAATAAGTATTAATTAATTAATTAATTAATTAATTAATTAATGA 1723
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DB 2691 ACATGAGACAGCAATTAATAAGTATTAATTAATTAATTAATTAATTAATTAATTAATGA 2750
QY 1724 AATGCAAGACACAGAGGAAATGTTTATGGGACAGTTTGAACCTGGGATGGAAGC 1783
|||||
DB 2751 AATGCAAGACACAGAGGAAATGTTTATGGGACAGTTTGAACCTGGGATGGAAGC 2810
QY 1784 AAGGACAGGAACTCATATGATCTTATATTAATTAATTAATTAATTAATTAATTAATTA 1843
|||||
DB 2811 AAGGACAGGAACTCATATGATCTTATATTAATTAATTAATTAATTAATTAATTAATTA 2870
QY 1844 ATATCAACCAAGCTTTTACAGAAATTCAGAGTGAATCCCAAGGTAACCTTTATC 1903
|||||

Db	2871	ATATCCCAACAGCTTTTTCACGAGATTCATGACGTGCAATATCCCAAGGTAACTTTATC	2930
QY	1904	CATTTCATGTTGAGTGGCTTTAGAAATTTTGGCAAAATCATCTGGTACTATATCTCACT	1963
Db	2931	CATTTCATGTTGAGTGGCTTTAGAAATTTTGGCAAAATCATCTGGTACTATATCTCACT	2990
QY	1964	TTTGAGATGTGTTTGTCTTGTAGTTAATTGAAAGAAATAGGCACTCTTGTGAGCCACTT	2023
Db	2991	TTTGAGATGTGTTTGTCTTGTAGTTAATTGAAAGAAATAGGCACTCTTGTGAGCCACTT	3050
QY	2024	TAGGGTCACTCCTGGCAATTAAGAAATTTTCAAAAGAC	2061
Db	3051	TAGGGTCACTCCTGGCAATTAAGAAATTTTCAAAAGAC	3088

RESULT 3

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US-09-439-313-470/c
: Sequence 470, Application US/09439313
: Patent No. 6329505
:
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang Yuqi
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Retter, Mark
: APPLICANT: Solk, John
:
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.42709
: CURRENT APPLICATION NUMBER: US/09/439,313
: CURRENT FILING DATE: 1999-11-12
:
: NUMBER OF SEQ ID NOS: 575
:
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 470
: LENGTH: 2426
: TYPE: DNA
: ORGANISM: Homo sapiens
:
: US-09-439-313-470

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Query Match	37.9%	Score 1357;	DB 4;	Length 2426;
Best Local Similarity	99.8%	Pred. No. 0;		
Matches 1767; Conservative	0;	Mismatches 1;	Indels 3;	Gaps 3;

[illegible]

Db	1409	GAAGTCACAAAGTGGCAATTACCAATGAGAGGAAAAACAGAGGAAATCTTGATGGCTT	1350
QY	705	CACAAGACATCAACAAACAAATGGAATTACTGTGATACATATGAGGAGCGCAAGCTGGG	764
Db	1349	CACAAGACATGCACAAACAAATGGAATTACTGTGATACATATGAGGAGCGCAAGCTGGG	1290
QY	765	AGGAGATTAACACGGGGGACAGAGGCTCAGGATTTGCGCCCTGCTGCTTAACATGTGCGCTC	824
Db	1289	AGGAGATTAACACGGGGGACAGAGGCTCAGGATTTGCGCCCTGCTGCTTAACATGTGCGCTC	1230
QY	825	ATAACCAATCATTTTCATATTTGTAATACCTCAAAAACAAAGCTGTGTAATATCTGATCTC	884
Db	1229	ATAACCAATCATTTTCATATTTGTAATACCTCAAAAACAAAGCTGTGTAATATCTGATCTC	1170
QY	885	TACGGTTCCTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACCTATTTTAAATATT	944
Db	1169	TACGGTTCCTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACCTATTTTAAATATT	1110
QY	945	AGTTCCACGATCTGTACTGTGACCTTTTCTACACTGTAGAAATTAACATTAATCTATTTGTTC	1004
Db	1109	AGTTCCACGATCTGTACTGTGACCTTTTCTACACTGTAGAAATTAACATTAATCTATTTGTTC	1050
QY	1005	AAAGACCTTGCTGTGGTGGCTAATATGTAAGCTGACGTGTTTTCCTAAGGAGTGTCTG	1064
Db	1049	AAAGACCTTGCTGTGGTGGCTAATATGTAAGCTGACGTGTTTTCCTAAGGAGTGTCTG	990
QY	1065	GCCCGAGGGATCTGTGAACAGGCTGGGAGAGATCTCAAGATCTTTCCAGGGTTTATCTTA	1124
Db	989	GCCCGAGGGATCTGTGAACAGGCTGGGAGAGATCTCAAGATCTTTCCAGGGTTTATCTTA	930
QY	1125	CTAGCACACAGCATGATCATTTACGGAGTGAATTATCTATATCAACATCATCTCTCAGTGCT	1184
Db	929	CTAGCACACAGCATGATCATTTACGGAGTGAATTATCTATATCAACATCATCTCTCAGTGCT	870
QY	1185	TTGGCCATACAGAAATTCATTTCCACATTTGTGCCACTTCTCAAGACCTCAAAATGTCA	1244
Db	869	TTGGCCATACAGAAATTCATTTCCACATTTGTGCCACTTCTCAAGACCTCAAAATGTCA	810
QY	1245	TTCCATTAATATACAGAGATTAACCTTTTTTTTAACTGGAGAAATTCATGTTTACATG	1304
Db	809	TTCCATTAATATACAGAGATTAACCTTTTTTTTAACTGGAGAAATTCATGTTTACATG	750
QY	1305	CAGCTATGGGAATTTAATTAACATATTTTGTTCACAGTCGAAAGATGACTATAGTCTTTA	1364
Db	749	CAGCTATGGGAATTTAATTAACATATTTTGTTCACAGTCGAAAGATGACTATAGTCTTTA	690
QY	1365	TCCGCCCCCTTGTTGATTTTTTTTCCAGATTAAGTTAAAGTCAATGAGCTTGATCTG	1424
Db	689	TCCGCCCCCTTGTTGATTTTTTTTCCAGATTAAGTTAAAGTCAATGAGCTTGATCTG	630
QY	1425	AGGCTGTATTAAG-CACAGCCTCTCCCATCCCTCAGCCTTAATCTGTCATCACATCAAA	1483
Db	629	AGGCTGTATTAAGCAGCAGCCTCTCCCATCCCTCAGCCTTAATCTGTCATCACATCAAA	570
QY	1484	CCCTCCCATACCACTTAACAAATTCATCTGTAATCTCTTGAACATGTCAAGACATA	1543
Db	569	CCCTCCCAT-GCACCTTAACAAATTCATCTGTAATCTCTTGAACATGTCAAGG-CATA	512
QY	1544	CATTATTCCTCTGCTGAGAGAGCTCTTCTGTCTCTTAATCTAGAATGATGAAGT	1603
Db	511	CATTATTCCTCTGCTGAGAGAGCTCTTCTGTCTCTTAATCTAGAATGATGAAGT	452
QY	1604	TTTGGAATTAAGTGAATCTATCTTAATCTGAAGAAAGGAGACATATGAGTTGATCATC	1663
Db	451	TTTGGAATTAAGTGAATCTATCTTAATCTGAAGAAAGGAGACATATGAGTTGATCATC	392
QY	1664	ACATGAGACACAAATACTATAAAGGTGAATTATTAAGAGTTTATGATTAATATAATGA	1723
Db	391	ACATGAGACACAAATACTATAAAGGTGAATTATTAAGAGTTTATGATTAATATAATGA	332
QY	1724	AATGCAAGAGCCACAGAGGAATGTTTATGGGGCACGTTTGAAGCTTGAGATGTGAAGC	1783

OY	643	GAAGTCACAAAGTGAACATTTACCATGAGAGAAACAGACGAGAAAATCTGTGATGCGCTT	704
Db	1409	GAAGTCACAAAGTGAACATTTACCATGAGAGAAACAGACGAGAAAATCTGTGATGCGCTT	1350
OY	705	CACAAAGCATCACAACAAACAAATGGAATACTGTGATACATGTGAGGGCGCCAAAGCTGGGG	764
Db	1349	CACAAAGCATCACAACAAACAAATGGAATACTGTGATACATGTGAGGGCGCCAAAGCTGGGG	1290
OY	765	AGGAGATTAACACAGGGGGAGAGGGTCAAGATTCTGGCCCTGCTCCCTAAACGTGCGCTTC	824
Db	1289	AGGAGATTAACACAGGGGGAGAGGGTCAAGATTCTGGCCCTGCTCCCTAAACGTGCGCTTC	1230
OY	825	ATAACCAAAATCATTTTCATATTTTCATACCCCTCAAAACAAAGCTGTGTATATTCGATCTC	884
Db	1229	ATAACCAAAATCATTTTCATATTTTCATACCCCTCAAAACAAAGCTGTGTATATTCGATCTC	1170
OY	885	TACGGTTCCTTCTGTGGGCCAACATCTTCATATATTCAGCCACATCTATTTTATATTTT	944
Db	1169	TACGGTTCCTTCTGTGGGCCAACATCTTCATATATTCAGCCACATCTATTTTATATTTT	1110
OY	945	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTGATATTAACATTAATCTATTTGTTC	1004
Db	1109	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTGATATTAACATTAATCTATTTGTTC	1050
OY	1005	AAAGACCCCTGTGTGTGCTGCCTATATATGTAGTGCAGCTTTTCTCAGAGAGTGTCTG	1064
Db	1049	AAAGACCCCTGTGTGTGCTGCCTATATATGTAGTGCAGCTTTTCTCAGAGAGTGTCTG	990
OY	1065	GCCAGAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAGAGGTTATCTTA	1124
Db	989	GCCAGAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAGAGGTTATCTTA	930
OY	1125	CTACGACACACATGATCATATGAGAGAGATTTATCTAATCAACATCATCTCTCAGTGCCT	1184
Db	929	CTACGACACACATGATCATATGAGAGAGATTTATCTAATCAACATCATCTCTCAGTGCCT	870
OY	1185	TTGGCCATATACGAATAATTCATTTCCACATTTTGTGCCAATTCCTCAAGACCTCAAAATGTCA	1244
Db	869	TTGGCCATATACGAATAATTCATTTCCACATTTTGTGCCAATTCCTCAAGACCTCAAAATGTCA	810
OY	1245	TTCCATTAATATACAGAGATTAACCTTTTTTATACCTGGAAACATTCATCTGTACATG	1304
Db	809	TTCCATTAATATACAGAGATTAACCTTTTTTATACCTGGAAACATTCATCTGTACATG	750
OY	1305	CAGCTATGGAGATTTAATTACATATTTTGTTCACAGTGCAGAAAGATGACTAAGTCCTTA	1364
Db	749	CAGCTATGGAGATTTAATTACATATTTTGTTCACAGTGCAGAAAGATGACTAAGTCCTTA	690
OY	1365	TCCCTCCCTTGTGTTGATTTTTTTCACAGTATAAGTTAAATGCTTAGCCTGTACTG	1424
Db	689	TCCCTCCCTTGTGTTGATTTTTTTCACAGTATAAGTTAAATGCTTAGCCTGTACTG	630
OY	1425	AGGCTGTATACAG-CACAGCCTTCGCCATCCCTCCACACCTTATCTGTCAACACATCAA	1483
Db	629	AGGCTGTATACAGCAGCAGCCTTCGCCATCCCTCCACACCTTATCTGTCAACACATCAA	570
OY	1484	CCCTCCCATACACACTTAACAAAATCTAATCTTAATTCCTTGAACATGTCAGAGACATA	1543
Db	569	CCCTCCCAT-CCACCTTAAACAAAATCTAATCTTAATTCCTTGAACATGTCAGAG-CATA	512
OY	1544	CATTATTCCTTCTGCTGAGAAAGCTCTTCCTGTCTCTTAATCTAGAAATGATTAAGT	1603
Db	511	CATTATTCCTTCTGCTGAGAAAGCTCTTCCTGTCTCTTAATCTAGAAATGATTAAGT	452
OY	1604	TTTGAATTAAGTTGACTATCTACTTCTATGATGACAAAAGGACACATATGAGATTGATCATC	1663
Db	451	TTTGAATTAAGTTGACTATCTACTTCTATGATGACAAAAGGACACATATGAGATTGATCATC	392
OY	1664	ACATGAGACAGCAAAATACTATAAAGTGTATTTGATATAGAGTTTATGATTAATATATGTA	1723
Db	391	ACATGAGACAGCAAAATACTATAAAGTGTATTTGATATAGAGTTTATGATTAATATATGTA	332

QY 1604 TTGAAATAGTGAATCTTACTTCTTACATGCAAGAGGACACATATGATTCATGTC 1663
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Db 458 TTTAAATTAAGTTGACTCTTCTTACTTCTGCAAGAGGACACATATGAGATTATCATTC 399
QY 1664 ACATGACACAGCAAACTACTAAAGTGTAAATTTGATTAAGAGTTTGAATATAATGA 1723
|||||
Db 398 ACATGACACAGCAAACTACTAAAGTGT - ATTTGATTTAAAGAGTTTGAATATAATGA 340
QY 1724 AATTCAGAGCCACAGAGGGAATTTTATGGGACAGCTTTTAAAGCTGGGATGTGAAGC 1783
|||||
Db 339 AATTCAGAGCCACAGAGGGAATTTTATGGGACAGCTTTTAAAGCTGGGATGTGAAGC 280
QY 1784 AAAGCAGGAGACCTCTATGATCTTATATATATATATCTTCTCTATCTATATCA 1843
|||||
Db 279 AAAGCAGGAGACCTCTATGATCTTATATATATATATCTTCTCTATCTATATCA 220
QY 1844 AATTCAGAGCCACAGAGGGAATTTTATGGGACAGCTTTTAAAGCTGGGATGTGAAGC 1903
|||||
Db 219 AATTCAGAGCCACAGAGGGAATTTTATGGGACAGCTTTTAAAGCTGGGATGTGAAGC 160
QY 1904 CATTTCACTGTTGAGTGGGCTTTAGAAATTTTGGCAAACTATCTGCTCATCTTCAACT 1963
|||||
Db 159 CATTTCACTGTTGAGTGGGCTTTAGAAATTTTGGCAAACTATCTGCTCATCTTCAACT 100
QY 1964 TTGAGATGTTGTTGCTCTTGTAGTTAATGAAGAAATAGGCACTCTGTGAGCCACTT 2023
|||||
Db 99 TTGAGATGTTGTTGCTCTTGTAGTTAATGAAGAAATAGGCACTCTGTGAGCCACTT 40
QY 2024 TAGGTTCACTCTGCGCAATTAAGAAATTTACAAAGACT 2062
|||||
Db 39 TAGGTTCACTCTGCGCAATTAAGAAATTTACAAAGACT 1

RESULT 6
US-09-352-616A-469/C

: Sequence 469, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Hatlock, Susan Louise
: APPLICANT: Jlang, Yungui
: APPLICANT: Xu, Jlangchun
: APPLICANT: Mlcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: FILE REFERENCE: 210121.427C8
: CURRENT APPLICATION NUMBER: US/09/352.616A
: NUMBER OF FILING DATE: 1999-07-13
: NUMBER OF SEO ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEO ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-352-616A-469

Query Match 31.48; Score 1123; DB 4; Length 2229;
Best Local Similarity 99.78; Pred. No. 0;
Matches 1773; Conservative 0; Mismatches 1; Indels 5; Gaps 5;
QY 285 GGTGAGAAATAGAAAGGCTGCTGACTTACATCTGAGCGACACATCTGTAAGTGG 344
|||||
Db 1775 GGTGAGAAATAGAAAGGCTGCTGACTTACATCTGAGCGACACATCTGTAAGTGG 1716
QY 345 AGATTAATTAACATCTAGTAAGAACAGACAGATGACAAATTAATGTTAAAGTAGACATGT 404
|||||
Db 1715 AGATTAATTAACATCTAGTAAGAACAGACAGATGACAAATTAATGTTAAAGTAGACATGT 1656
QY 405 TTTTGACATTTCCAGGCCCCCTTAAATATCCACACACAGAGCAACAAAAGAGAGAC 464
|||||
Db 1655 TTTTGACATTTCCAGGCCCCCTTAAATATCCACACACAGAGCAACAAAAGAGAGAC 1596
QY 465 AGAGATCCCTGGAGAAATGCCCGCGCCATCTTGGGTCAATGATGAAGCTCCGCCCTGT 524

Db 1395 AGAGATCCCTGGAGAAATGCCCGCGCCATCTTGGGTCAATGATGAAGCTCCGCCCTGT 1536
QY 525 GCTGTGTCGCCCTTGTGAGGAGAGACATTAAGAAATGAATTTGTTCTTTAAAGGA 584
|||||
Db 1335 GCTGTGTCGCCCTTGTGAGGAGAGACATTAAGAAATGAATTTGTTCTTTAAAGGA 1476
QY 585 TGGGACGAGAAACAGATCCCTGTGGATTTTGAATTTTGAACGGGATTAACATTTGAAT 644
|||||
Db 1475 TGGGACGAGAAACAGATCCCTGTGGATTTTGAATTTTGAACGGGATTAACATTTGAAT 1416
QY 645 GAATCCCAAAAGTACGATTAACATTAAGAGAGAAAGACAGCAAAATCTTGATGGCTT 704
|||||
Db 1415 GAATCCCAAAAGTACGATTAACATTAAGAGAGAAAGACAGCAAAATCTTGATGGCTT 1356
QY 705 CACAAAGATGCAACAAACAAATGAATTAATGATGATGACATGAGGACAGCCAGCTGGGG 764
|||||
Db 1355 CACAAAGATGCAACAAACAAATGAATTAATGATGATGACATGAGGACAGCCAGCTGGGG 1296
QY 765 AGGAGATTAACACGGGGGAGAGGGTACAGGATTTGGCCCTGCTTAACCTGAGCGTTC 824
|||||
Db 1295 AGGAGATTAACACGGGGGAGAGGGTACAGGATTTGGCCCTGCTTAACCTGAGCGTTC 1236
QY 825 AATACCAATCATTTTCAATTTCTTAACCCCTCAAAACAAAGCTGTTGAATATCTGATCTC 884
|||||
Db 1235 AATACCAATCATTTTCAATTTCTTAACCCCTCAAAACAAAGCTGTTGAATATCTGATCTC 1176
QY 885 TAGCGTTCTCTGCGGCCCAACATTTCTCAATATATCCAGCCACACTATTTTAATATTT 944
|||||
Db 1175 TAGCGTTCTCTGCGGCCCAACATTTCTCAATATATATCCAGCCACACTATTTTAATATTT 1116
QY 945 AGTTCCAGATCTGATCTGATCTTCTTACAGCTGATGATTAATATCTGATTTGTTTC 1004
|||||
Db 1115 AGTTCCAGATCTGATCTGATCTTCTTACAGCTGATGATTAATATCTGATTTGTTTC 1056
QY 1005 AAAGACCTTCTGCTTGTGCTTAATATATGATGATCTGATTTTCTTAAGGAGTGTCTG 1064
|||||
Db 1055 AAAGACCTTCTGCTTGTGCTTAATATATGATGATCTGATTTTCTTAAGGAGTGTCTG 996
QY 1065 GCCCAGGAGATCTGTAACAGAGCTGGGAGAGCATCTCAAGATCTTTCCAGGTTTACTTA 1124
|||||
Db 995 GCCCAGGAGATCTGTAACAGAGCTGGGAGAGCATCTCAAGATCTTTCCAGGTTTACTTA 936
QY 1125 CTAGCAGACAGCATGATCATTAAGAGAGTATTAATTAATCAATCTCTCAGTGTCT 1184
|||||
Db 935 CTAGCAGACAGCATGATCATTAAGAGAGTATTAATTAATCAATCTCTCAGTGTCT 876
QY 1185 TTGCCATTAATGAATTTCAATTTCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1244
|||||
Db 875 TTGCCATTAATGAATTTCAATTTCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 816
QY 1245 TTCCATTAATTAATGAATTTCAATTTTACCTGTAAGATTTCAATTTTACTATG 1304
|||||
Db 815 TTCCATTAATTAATGAATTTCAATTTTACCTGTAAGATTTCAATTTTACTATG 757
QY 1305 CAGCTAGGAGAAATTAATTAATTTGTTTCCAGTGAAGAGTCAATGCTTAAGTCCCTTA 1364
|||||
Db 756 CAGCTAGGAGAAATTAATTAATTTGTTTCCAGTGAAGAGTCAATGCTTAAGTCCCTTA 697
QY 1365 TCCCTCCCTTGTGTTGATTTTTCAGATTAAGTTAAATGCTTAAGCTTGTACTG 1424
|||||
Db 696 TCCCTCCCTTGTGTTGATTTTTCAGATTAAGTTAAATGCTTAAGCTTGTACTG 637
QY 1425 AGGCTGTATACAG-CACAGCTCTGCCCATCTCTCCAGGCTTAATCTGATCACCATCA 1483
|||||
Db 636 AGGCTGTATACAGCAGCCTCTCCCATCTCTCCAGGCTTAATCTGATCACCATCA 577
QY 1484 CCCCTCCCATACAGCAGCTTAACAAATCTTAATCTGTAATTTCTTAAGATGTCAGACATA 1543
|||||
Db 576 CCCCTCCCAT -GCACCTTAACAAATCTTAATCTGTAATTTCTTAAGATGTCAGG -CTTA 519
QY 1544 CATTAATCTCTGCTGAGAGGCTCTTCTGTTCTTAATCTTAAGATGATGAAGT 1603
|||||

Db 518 CATTATTCCTTCTGCGTGAAGACCTCTCTCTTCTTAATCTAGATGATTAAGT 459
Qy 1604 TTGGAATTAAGTACTACTTACTTCTGCAAGAGGACACATATGATTCATC 1663
Db 458 TTGGAATTAAGTACTACTTACTTCTGCAAGAGGACACATATGATTCATC 399
Qy 1664 ACATGAGACGCAAACTAAAGTAAATTTATATAGACTTTATGATTAATATGA 1123
Db 398 ACATGAGACGCAAACTAAAGTAAATTTATATAGACTTTATGATTAATATGA 340
Qy 1724 AATGCAAGACCCACAGAGGAAATTTATGCGCAGCTTTGAAGCTGGGATGTAAGC 1783
Db 339 AATGCAAGACCCACAGAGGAAATTTATGCGCAGCTTTGAAGCTGGGATGTAAGC 280
Qy 1784 AAGGCAAGGACCTCATATCTATATATATATATATATCTCTCTATCTATCTACA 1843
Db 279 AAGGCAAGGACCTCATATCTATATATATATATATATCTCTCTATCTATCTACA 220
Qy 1844 ATATCCAAACAGCTTTTACAGAAATTCATGACATGCAATCCCAAGGTAACCTTATC 1903
Db 219 ATATCCAAACAGCTTTTACAGAAATTCATGACATGCAATCCCAAGGTAACCTTATC 160
Qy 1904 CATTTCATGCTGAGTGCCTTTTGAATTTTGGCAATCATCTGCTATCTCACT 1963
Db 159 CATTTCATGCTGAGTGCCTTTTGAATTTTGGCAATCATCTGCTATCTCACT 100
Qy 1964 TTGAGATGTGTTTGTCTCTGTAGTAAATGAAAGAAATAGGCACTTTTGAGCCACTT 2023
Db 99 TTGAGATGTGTTTGTCTCTGTAGTAAATGAAAGAAATAGGCACTTTTGAGCCACTT 40
Qy 2024 TAGGTTCACTCTCTGCAATTAAGATTTTTCAAAGACT 2062
Db 39 TAGGTTCACTCTCTGCAATTAAGATTTTTCAAAGACT 1

RESULT 7
US-09-439-313-471/c
; Sequence 471, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471

Query Match 20.1%; Score 720; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 285 GGTGAGAAATPAGAAAGCTGCTGACTTACATCTGAGGCCACACATCTGCGAATGG 344
Db 720 GGTGAGAAATPAGAAAGCTGCTGACTTACATCTGAGGCCACACATCTGCGAATGG 661
Qy 345 AGATATATTAACATCACTAGAAACAGCAAGATGACATATATATGTCTAAGTAGACATGT 404

Db 660 AGATATATTAACATCACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGACATGT 601
Qy 405 TTTTGGCATTTCAGCCCTTTAAATATTCACACACACAGAGAACAAAGAGACAC 464
Db 600 TTTTGGCATTTCAGCCCTTTAAATATTCACACACACAGAGAACAAAGAGACAC 541
Qy 465 AGAGATCCCTGGAGAAATGCCGCCCATCTTGGGTATCATGATGACCTGCCCTGT 524
Db 540 AGAGATCCCTGGAGAAATGCCGCCCATCTTGGGTATCATGATGACCTGCCCTGT 481
Qy 525 GCCTGGCCCGCTTGGAGGAGAGACATTAAGAAATGATATGTTGCTTAAAGGA 584
Db 480 GCCTGGCCCGCTTGGAGGAGAGACATTAAGAAATGATATGTTGCTTAAAGGA 421
Qy 585 TGGCAGAGAAACAGATCCCTGCTGATTTATTTATTTGAACGGGATTTAGATTTGAAT 644
Db 420 TGGCAGAGAAACAGATCCCTGCTGATTTATTTATTTGAACGGGATTTAGATTTGAAT 361
Qy 645 GAAGTACAAAGTGACATTACCAATGAGAGAAACAGAGAAATCTTGATGCTT 704
Db 360 GAAGTACAAAGTGACATTACCAATGAGAGAAACAGAGAAATCTTGATGCTT 301
Qy 705 CACAAGCATGCAACAAACAAATGGAATCTGTGATGATGATGAGCAGCAGCTGGGG 764
Db 300 CACAAGCATGCAACAAACAAATGGAATCTGTGATGATGATGAGCAGCAGCTGGGG 241
Qy 765 AGAGATTAACACAGGGGACAGAGGTCAGATTTGCGCCCTGCTTAACTGGCTTC 824
Db 240 AGAGATTAACACAGGGGACAGAGGTCAGATTTGCGCCCTGCTTAACTGGCTTC 181
Qy 825 ATAACCAATCATTTCTATTTCTAAACCTCAAAACAAAGCTGTGTATATCTGATCTC 884
Db 180 ATAACCAATCATTTCTATTTCTAAACCTCAAAACAAAGCTGTGTATATCTGATCTC 121
Qy 885 TAGGTTCTCTTGGGCCCAACATCTCCATATATCCAGCCACACATTTTAAATAT 944
Db 120 TAGGTTCTCTTGGGCCCAACATCTCCATATATCCAGCCACACATTTTAAATAT 61
Qy 945 AGTTCCAGATCTGTACTGTGACCTTTCACACTGAGATTAACATTAATCTGATTTGTC 1004
Db 60 AGTTCCAGATCTGTACTGTGACCTTTCACACTGAGATTAACATTAATCTGATTTGTC 1

RESULT 8
US-09-352-616A-471/c
; Sequence 471, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471

Query Match 20.1%; Score 720; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 720; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 285 GGTGAGAAATPAGAAAGCTGCTGACTTACATCTGAGGCCACACATCTGCGAATGG 344
|||||

```
Db 720 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGCTGAATGG 661
Qy 345 AGATAATTAACATACATAGAAACAGCAAGATGACATATATATGCTAGTAGTACATGT 404
Db 660 AGATAATTAACATACATAGAAACAGCAAGATGACATATATATGCTAGTAGTACATGT 601
Qy 405 TTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACAAAAGAGACAC 464
Db 600 TTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACAAAAGAGACAC 541
Qy 465 AGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTCAATGATGAGCCCTGCGCTGT 524
Db 540 AGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTCAATGATGAGCCCTGCGCTGT 481
Qy 525 GCTTGCTCCGCTGTGAGGAGAACATTTAGAAAATGATGATGCTTCTTAAAGGA 584
Db 480 GCTTGCTCCGCTGTGAGGAGAACATTTAGAAAATGATGATGCTTCTTAAAGGA 421
Qy 585 TGGGACAGAAACAGATCTGTGATATTTTGAACGGGATTTACAGATTTGAAT 644
Db 420 TGGGACAGAAACAGATCTGTGATATTTTGAACGGGATTTACAGATTTGAAT 361
Qy 645 GAATCACAAGATGACATTTACCAATGAGAGAAACAGACGAGAAAATCTTGATGGCTT 704
Db 360 GAATCACAAGATGACATTTACCAATGAGAGAAACAGACGAGAAAATCTTGATGGCTT 301
Qy 705 CACAAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATGATG 764
Db 300 CACAAGACATGCAACAAACAAATGGAATGATGATGATGATGATGATGATGATGATG 241
Qy 765 AGGAGATACACACGCGGAGAGGATTCAGAGATTCGGCCCTGCTTAACTGTGCGTTC 824
Db 240 AGGAGATACACACGCGGAGAGGATTCAGAGATTCGGCCCTGCTTAACTGTGCGTTC 181
Qy 825 ATAACCAATATTTTCAATTTTCAACCTTCAACCAAGCTTTGTAATTCGATCTC 884
Db 180 ATAACCAATATTTTCAATTTTCAACCTTCAACCAAGCTTTGTAATTCGATCTC 121
Qy 885 TAGGTTCTCTTGGGCCCAACATTTCCATATATCCAGCACCTCATTTTAAATATTT 944
Db 120 TAGGTTCTCTTGGGCCCAACATTTCCATATATCCAGCACCTCATTTTAAATATTT 61
Qy 945 AGTTCCAGATCTGACTGTGACCTTCTACACGTGAGAAATACATTTCTGTTTC 1004
Db 60 AGTTCCAGATCTGACTGTGACCTTCTACACGTGAGAAATACATTTCTGTTTC 1

RESULT 9
US-09-439-313-313
: Sequence 313, Application US/09439313
: Patent No. 6329505
: GENERAL INFORMATION:
: APPLICANT: Xu, Jianshun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Reed, Steven G.
: APPLICANT: Kalos, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Retter, Mark
: APPLICANT: Solik, John
: APPLICANT: Day, Craig
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
: FILE REFERENCE: 210121.427C9
: CURRENT FILING DATE: 1999-11-12
: NUMBER OF SEQ ID NOS: 575
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 313
: LENGTH: 718
: TYPE: DNA
```

```
: ORGANISM: Homo sapien
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(718)
: OTHER INFORMATION: n = A,T,C or G
US-09-439-313-313

Query Match          5.6%; Score 201; DB 4; Length 718;
Best Local Similarity 99.3%; Pred. No. 1e-84;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 285 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGTAATGG 344
Db 73 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGTAATGG 132
Qy 345 AGATAATTAACATACATAGAAACAGCAAGATGACATATATATGCTAGTAGTACATGT 404
Db 133 AGATAATTAACATACATAGAAACAGCAAGATGACATATATATGCTAGTAGTACATGT 192
Qy 405 TTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACAAAAGAGACAC 464
Db 193 TTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACAAAAGAGACAC 252
Qy 465 AGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTCAATGATGAGCCCTGCGCTGT 524
Db 253 AGAGATCCCTGGGAGAAATGCCGCCCATCTTGGGTCAATGATGAGCCCTGCGCTGT 312
Qy 525 GCTTGCTCCGCTGTGAGGAGAACATTTAGAAAATGATGATGCTTCTTAAAGGA 584
Db 313 GCTTGCTCCGCTGTGAGGAGAACATTTAGAAAATGATGATGCTTCTTAAAGGA 372
Qy 585 TGG 587
Db 373 TGG 375

RESULT 10
US-09-352-616A-313
: Sequence 313, Application US/09352616A
: Patent No. 6395278
: GENERAL INFORMATION:
: APPLICANT: Dillon, Davin C.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Jiang, Yugu
: APPLICANT: Xu, Jianshun
: APPLICANT: Mitcham, Jennifer Lynn
: TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
: FILE REFERENCE: 210121.427C8
: CURRENT FILING DATE: 1999-07-13
: NUMBER OF SEQ ID NOS: 472
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 313
: LENGTH: 718
: TYPE: DNA
: ORGANISM: Homo sapien
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(718)
: OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-313

Query Match          5.6%; Score 201; DB 4; Length 718;
Best Local Similarity 99.3%; Pred. No. 1e-84;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 285 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGTAATGG 344
Db 73 GGTGAGAAATTAAGAAAGCTGCTGACTTTACCATCTGAGCCACACATCTGTAATGG 132
Qy 345 AGATAATTAACATACATAGAAACAGCAAGATGACATATATATGCTAGTAGTACATGT 404
Db 133 AGATAATTAACATACATAGAAACAGCAAGATGACATATATATGCTAGTAGTACATGT 192
```

Db 133 AGATTAATTAACATCACTAGTAAGAACGACGACATGACATATATATGTCTAAGTAGTACATGT 192
QY 405 TTTTGCACATTTTCACAGCCCTTTTAATATATCCACACACAGAGGACCAAAAGGAGACAC 464
Db 193 TTTTGCACATTTTCACAGCCCTTTTAATATATCCACACACAGAGGACCAAAAGGAGACAC 252
QY 465 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTCATGATGAGCCTGCGCCTGT 524
Db 253 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTCATGATGAGCCTGCGCCTGT 312
QY 525 GCGTGGTCCCGCTTGGGAGGAGACATTAAGAAATGATGTGCTCCCTTAAGGA 584
Db 313 GCGTGGTCCCGCTTGGGAGGAGACATTAAGAAATGATGTGCTCCCTTAAGGA 372
QY 585 TGG 587
Db 373 TGG 375

RESULT 11
US-09-232-149A-313
; Sequence 313, Application US/09232149A
; Patent No. 6465611
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
; TITLE OF INVENTION: CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C6
; CURRENT APPLICATION NUMBER: US/09/232.149A
; CURRENT FILING DATE: 1999-01-15
; NUMBER OF SEQ ID NOS: 338
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 313
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(718)
; OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-313

Query Match 5.6%; Score 201; DB 4; Length 718;
Best Local Similarity 99.3%; Pred. No. 1e-84;
Matches 301; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 285 GGTGAGAAATTAAGAAAGGCGTCTTACCATCTGAGGCCACACATCTGCTGAATGG 344
Db 73 GGTGAGAAATTAAGAAAGGCGTCTTACCATCTGAGGCCACACATCTGCTGAATGG 132
QY 345 AGATTAATTAACATCACTAGTAAGAACGACGACATTAATATATGTCTAAGTAGTACATGT 404
Db 133 AGATTAATTAACATCACTAGTAAGAACGACGACATTAATATATGTCTAAGTAGTACATGT 192
QY 405 TTTTGCACATTTTCACAGCCCTTTTAATATATCCACACACAGAGGACCAAAAGGAGAC 464
Db 193 TTTTGCACATTTTCACAGCCCTTTTAATATATCCACACACAGAGGACCAAAAGGAGAC 252
QY 465 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTCATGATGAGCCTGCGCCTGT 524
Db 253 AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTCATGATGAGCCTGCGCCTGT 312
QY 525 GCGTGGTCCCGCTTGGGAGGAGACATTAAGAAATGATGTGCTCCCTTAAGGA 584
Db 313 GCGTGGTCCCGCTTGGGAGGAGACATTAAGAAATGATGTGCTCCCTTAAGGA 372
QY 585 TGG 587
Db 373 TGG 375

RESULT 12
US-09-439-313-287/C
; Sequence 287, Application US/09439313
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439.313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 287
; LENGTH: 301
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-287

Query Match 5.0%; Score 179; DB 4; Length 301;
Best Local Similarity 99.6%; Pred. No. 2.3e-74;
Matches 229; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 659 AGCATTAACCAATGAGAGGAGAAACAGACGAGAAATCTTGATGGCTTCACAAAGCATGCA 718
Db 301 AGCATTAACCAATGAGAGGAGAAACAGACGAGAAATCTTGATGGCTTCACAAAGCATGCA 242
QY 719 CAACAAATATGAAATCTGTGATGACATGAGCGACCAACCTGGGAGAGATTAACAC 778
Db 241 CAACAAATATGAAATCTGTGATGACATGAGCGACCAACCTGGGAGAGATTAACAC 182
QY 779 GGGCAGAGGTCAGGATCTGGCCCTGCTGCTTAACCTGCTTATACCAATCAT 838
Db 181 GGGCAGAGGTCAGGATCTGGCCCTGCTGCTTAACCTGCTTATACCAATCAT 122
QY 839 TCATATTCTTAACCTCAAAACAAAGCTGTTGAATATCTGATCTACG 888
Db 121 TCATATTCTTAACCTCAAAACAAAGCTGTTGAATATCTGATCTACG 72

RESULT 13
US-09-352-616A-287/C
; Sequence 287, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352.616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 287
; LENGTH: 301
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-287


```

      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: Patentin Release #1.0, Version #1.30
      CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/634,642
      FILING DATE: 18-APR-1996
      CLASSIFICATION: 424
      ATTORNEY/AGENT INFORMATION:
      NAME: MAKI, David J.
      REGISTRATION NUMBER: 31,392
      REFERENCE/DOCKET NUMBER: 210121.40A/C4
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: (206) 622-4900
      TELEFAX: (206) 682-6031
      INFORMATION FOR SEQ ID NO: 3:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 1867 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      FEATURE:
      NAME/KEY: CDS
      LOCATION: 117..1325
US-08-634-642-3

Query Match          0.8%; Score 29; DB 2; Length 1867;
Best Local Similarity 100.0%; Pred. No. 0.00071;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy       2088 TGTGTCGTGTCGTGTCGTGTCGTGTCGTGTCGT 2116
           |||||||
Db       1795 TGTGTCGTGTCGTGTCGTGTCGTGTCGTGTCGT 1823

RESULT 21
US-08-989-370-3
Sequence 3, Application US/08989370
Patent No. 6013268
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
TITLE OF INVENTION: METHODS FOR ENHANCEMENT OF PROTECTIVE IMMUNE RESPONSES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/989,370
FILING DATE: 12-DEC-1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MAKI, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.40A/C5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1867 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS

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LOCATION:      117..1325
US-08-969-370-3

Query Match          0.8%; Score 29; DB 3; Length 1867;
Best Local Similarity    100.0%; Pred. No. 0.00071;
Matches   29; Conservative     0; Mismatches    0; Indels       0; Gaps        0;

QY      2088 TGTGTTGTGTGTGTGTGTGTGTGTAGTCT 2116
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Db      1795 TGTTGTGTGTGTGTGTGTGTGTGTGTGTGT 1823


RESULT 22
US-08-806-326-5
; Sequence 5, Application US/08806326
; Patent No. 6022738
; GENERAL INFORMATION:
APPLICANT: Altwel, George F.
TITLE OF INVENTION: VECTORS FOR GENE THERAPY OF ERYTHROID DISORDERS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/806,326
FILING DATE: 26-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/398,160
FILING DATE: 03-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Richard S.
REGISTRATION NUMBER: 26,154
REFERENCE/DOCKET NUMBER: A30017-165/30389
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2558
TELEX: 212-765-2519
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 2169 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..2169
US-08-806-326-5

Query Match          0.8%; Score 29; DB 3; Length 2169;
Best Local Similarity    100.0%; Pred. No. 0.0007;
Matches   29; Conservative     0; Mismatches    0; Indels       0; Gaps        0;

OY      2083 AGCTGTGTCGTGTCGTGTCGTGTCGTGTCG 2111
            |||
DB      1465 ACCTTGTCGTGTGTGTGTGTGTGTGTGTG 1493


RESULT 23
US-08-793-044-1/C
; Sequence 1, Application US/08793044
; Patent No. 6235497
; GENERAL INFORMATION:
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? APPLICANT: Benjamin, Stephanie
? APPLICANT: Bernard, Sylvie
? APPLICANT: Cervini, Riccardo
? APPLICANT: Mallet, Jacques
? TITLE OF INVENTION: NOVEL VESICULAR ACETYLCHOLINE CARRIER
? NUMBER OF SEQUENCES: 12
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Rhone-Poulenc Rorer Inc.
? STREET: 500 Arcola Road, Mailstop 3C43
? CITY: Collegeville
? STATE: PA
? COUNTRY: USA
? ZIP: 19426
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentln Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/793,044
? FILING DATE:
? CLASSIFICATION: 536
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: WO PCT/FR95/01073
? FILING DATE: 10-AUG-1995
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: FR 94/10044
? FILING DATE: 16-AUG-1994
? ATTORNEY/AGENT INFORMATION:
? NAME: Savitzky Esq., Martin F.
? REGISTRATION NUMBER: 29,699
? REFERENCE/DOCKET NUMBER: ST94066-US
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (610) 454-3816
? TELEFAX: (610) 454-3808
? INFORMATION FOR SEQ ID NO.: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 3925 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: cDNA
? US-08-793-044-1

Query Match          0.8%; Score 29; DB 3; Length 3925;
Best Local Similarity 100.0%; Pred. NO. 0.00065;
Matches    29; Conservative    0; Mismatches      0; Indels      0; Gaps      0.

Qy      2088 TGTGTTGTTGTTGTTGTTGTTGTTGAGTGT 2116
        |||||||
Db      3597 TGTGTTGTTGTTGTTGTTGTTGTTGAGTGT 3569

RESULT 24
US-08-920-422-17
? Sequence 17, Application US/08920422A
? Patent No. 6255473
? GENERAL INFORMATION:
? APPLICANT: Vittek, Michael P.
? APPLICANT: Mitsuda, No. 6255473iakl
? APPLICANT: Roses, Allen D.
? TITLE OF INVENTION: Presentin-1 Gene Promoter
? FILE REFERENCE: VITEKPRESENTIN
? CURRENT APPLICATION NUMBER: US/08/920,422A
? CURRENT FILING DATE: 1997-08-29
? NUMBER OF SEQ ID NOS: 22
? SOFTWARE: Patentln Ver. 2.0
? SEQ ID NO 17
? LENGTH: 48974
? TYPE: DNA
? ORGANISM: Mus musculus
US-08-920-422-17
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[illegible]

```

NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESS: Demitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 116:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfa22ts
US-08-222-177A-116

Query Match 0.8%; Score 27; DB 1; Length 65;
Best Local Similarity 100.0%; Pred. No. 0.007;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2085 CTCGTGTGTGTGTGTGTGTGTGTGTG 2111
      |||||
Db 44 CTCGTGTGTGTGTGTGTGTGTGTGTG 18

RESULT 27
US-08-222-177A-421/c
Sequence 421, Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
TITLE OF INVENTION: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: Demitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 116:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfa22ts
US-08-222-177A-116

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1 PRIOR APPLICATION DATA:
2 APPLICATION NUMBER: US 07/341,562
3 FILING DATE: 21-APR-1989
4 ATTORNEY/AGENT INFORMATION:
5 NAME: Sara, Charles S.
6 REGISTRATION NUMBER: 30,492
7 REFERENCE/DOCKET NUMBER: 09865,601
8 TELECOMMUNICATION INFORMATION:
9 TELEPHONE: (608) 831-2100
10 TELEFAX: (608) 831-2106
11
12 TELEX:
13 INFORMATION FOR SEQ ID NO: 421:
14 SEQUENCE CHARACTERISTICS:
15 LENGTH: 65 base pairs
16 TYPE: nucleic acid
17 STRANDEDNESS: double
18 TOPOLOGY: linear
19 MOLECULE TYPE: DNA (genomic)
20
21 US-08-222-177A-421
22
23 Query Match 0.8%; Score 27; DB 1; Length 65;
24 Best Local Similarity 100.0%; Pred. No. 0.007;
25 Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 240 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
INDIVIDUAL ISOLATE: Caucasian
TISSUE TYPE: Blood
IMMEDIATE SOURCE:
CLONE: Mfd47
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 6
FEATURE:
NAME/KEY: repeat_region
LOCATION: 150..184
OTHER INFORMATION: /rpt_type="tandem"
OTHER INFORMATION: /rpt_family="(dc-da)n.(dg-dr)n"
OTHER INFORMATION: /citation="(12)"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 75..94
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="PCR primer"
OTHER INFORMATION: /citation="(11)"
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement(203..222)
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="PCR primer"
OTHER INFORMATION: /citation="(11)"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..240
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence=EXPERIMENTAL
OTHER INFORMATION: /standard_name="Only one strand sequenced"
PUBLICATION INFORMATION:
AUTHORS: Weber, J. L.
AUTHORS: Kwitek, A. E.
AUTHORS: May, P. E.
TITLE: Dinucleotide repeat polymorphism at the D6S87
TITLE: locus
JOURNAL: Nucleic Acids Res

```


Best Local Similarity 100.0%; Pred. No. 0.0066;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2085 CTCTGTGTGTGTGTGTGTGTGTG 2111
|||||
Db 229 CTCTGTGTGTGTGTGTGTGTG 203

RESULT 37
US-09-171-209-42/c
; Sequence 42, Application US/09171209
; Patent No. 6448000

GENERAL INFORMATION:

APPLICANT: VANDERBILT UNIVERSITY
305 Kirkland Hall
Nashville, TN 37240

TITLE OF INVENTION: MAMMALIAN GENES INVOLVED IN VIRAL
INFECTION

NUMBER OF SEQUENCES: 83

CORRESPONDENCE ADDRESS:

ADDRESSEE: Needle & Rosenberg, P.C.
STREET: 127 Peachtree Street, Suite 1200
City: Atlanta

STATE: Georgia

COUNTRY: USA

ZIP: 30303-1811

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/171,209

FILING DATE: 08-Mar-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US97/06067

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Selby, Elizabeth

REGISTRATION NUMBER: 38,298

REFERENCE/DOCKET NUMBER: 22000.0061/P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 404 688 0770

TELEFAX: 404 688 9880

INFORMATION FOR SEQ ID NO: 42:

SEQUENCE CHARACTERISTICS:

LENGTH: 835 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 42:

US-09-171-209-42

Query Match 0.8%; Score 27; DB 4; Length 835;
Best Local Similarity 100.0%; Pred. No. 0.0064;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 449 CTCTGTGTGTGTGTGTGTGTG 423

RESULT 38

US-08-915-795-6/c

; Sequence 6, Application US/08915795

; Patent No. 6235713

GENERAL INFORMATION:

APPLICANT: Marc G. ACHEN

APPLICANT: Andrew F. WILKS

APPLICANT: Steven A. STACKER

APPLICANT: Kari ALITALO

TITLE OF INVENTION: GROWTH FACTOR

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: Evenson, McKeown, Edwards & Lenahan P.L.L.C.
STREET: 1200 G Street, NW, Suite 700
City: Washington

STATE: DC

COUNTRY: United States of America

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/915,795

FILING DATE:

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: EVANS, Joseph D.

REGISTRATION NUMBER: 26,269

REFERENCE/DOCKET NUMBER: 1064/42983

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-8800

TELEFAX: (202) 628-8844

TELEX: N/A

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 1325 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ORIGINAL SOURCE:

TISSUE TYPE: Mouse Lung

US-08-915-795-6

Query Match 0.8%; Score 27; DB 3; Length 1325;
Best Local Similarity 100.0%; Pred. No. 0.0062;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2084 GCTCTGTGTGTGTGTGTGTGTGT 2110
|||||

Db 1292 GCTCTGTGTGTGTGTGTGTGTGT 1266

RESULT 39

US-09-495-050A-293/c

; Sequence 293, Application US/09495050A

; Patent No. 6492505

GENERAL INFORMATION:

APPLICANT: Roopa, Reddy

APPLICANT: Guegler, Karl, J.

APPLICANT: Au-Young, Janice

TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE

FILE REFERENCE: PA-0013 US

CURRENT APPLICATION NUMBER: US/09/495,050A

CURRENT FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: 60/118,318

PRIOR FILING DATE: February 1, 1999

NUMBER OF SEQ ID NOS: 305

SOFTWARE: PERL Program

SEQ ID NO 293

LENGTH: 1526

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc. feature

OTHER INFORMATION: Incyte ID No. 6492505 2088868CB1

US-09-495-050A-293

Query Match 0.8%; Score 27; DB 4; Length 1526;

Best Local Similarity 100.0%; Pred. No. 0.0062;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2083 AGCTGTGTGTGTGTGTGTGTGTGTG 2109
Db 1027 AGCTGTGTGTGTGTGTGTGTGTGTG 1001

RESULT 40

US-08-907-706-2
Sequence 2, Application US/08907706
Patent No. 5919686

GENERAL INFORMATION:

APPLICANT: Bandman, Olga
APPLICANT: Hillman, Jennifer L.
APPLICANT: Guegler, Karl J.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: NADH DEHYDROGENASE SUBUNITS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/907,706

FILING DATE: Filed Herewith

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0360 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1560 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: THPLBL01

CLONE: 013075

US-08-907-706-2

Query Match 0.8%; Score 27; DB 2; Length 1560;
Best Local Similarity 100.0%; Pred. No. 0.0062;

Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2085 CTCTGTGTGTGTGTGTGTGTGTGTG 2111
Db 1468 CTCTGTGTGTGTGTGTGTGTGTGTG 1494

RESULT 41

US-09-909-595-3/c

Sequence 3, Application US/09909595

Patent No. 6586245

GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

APPLICANT: Brenda F. Baker

APPLICANT: Jacqueline Wyatt

APPLICANT: Scott E. Davis

TITLE OF INVENTION: ANTISENSE MODULATION OF CD40 LIGAND EXPRESSION

FILE REFERENCE: RTS-0223

CURRENT APPLICATION NUMBER: US/09/909,595

CURRENT FILING DATE: 2001-07-18

NUMBER OF SEQ ID NOS: 91

SEQ ID NO 3

LENGTH: 1803

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (46)...(831)

US-09-909-595-3

Query Match 0.8%; Score 27; DB 4; Length 1803;
Best Local Similarity 100.0%; Pred. No. 0.0062;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2085 CTCTGTGTGTGTGTGTGTGTGTGTG 2111
Db 1575 CTCTGTGTGTGTGTGTGTGTGTGTG 1549

RESULT 42

US-09-645-926A-5/c

Sequence 5, Application US/09645926A

Patent No. 6482411

GENERAL INFORMATION:

APPLICANT: AHUJA, SEEMA

APPLICANT: BONEMLD, LYNDIA

TITLE OF INVENTION: CD40 LIGAND AND CD40 AGONIST COMPOSITIONS AND METHODS OF USE

FILE REFERENCE: 4003.001000

CURRENT APPLICATION NUMBER: US/09/645,926A

CURRENT FILING DATE: 2000-08-24

PRIOR APPLICATION NUMBER: 60/151,250

PRIOR FILING DATE: 1999-08-27

NUMBER OF SEQ ID NOS: 7

SOFTWARE: PatentIn version 3.0

SEQ ID NO 5

LENGTH: 1816

TYPE: DNA

ORGANISM: Homo sapiens

US-09-645-926A-5

Query Match 0.8%; Score 27; DB 4; Length 1816;
Best Local Similarity 100.0%; Pred. No. 0.0062;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2085 CTCTGTGTGTGTGTGTGTGTGTGTG 2111
Db 1584 CTCTGTGTGTGTGTGTGTGTGTGTG 1558

RESULT 43

US-08-393-985-17/c

Sequence 17, Application US/08393985

Patent No. 5693476

GENERAL INFORMATION:

APPLICANT: Scheller, Richard H.

TITLE OF INVENTION: Methods and Compositions for Modulation

of Vesicular Release

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates

STREET: 350 Cambridge Avenue, Suite 250

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS


```
; NAME/KEY: primer_bind
; LOCATION: 1759..1778
; OTHER INFORMATION: upstream amplification primer, complement
FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1319..1339
; OTHER INFORMATION: downstream amplification primer
FEATURE:
; NAME/KEY: misc_binding
; LOCATION: 1489..1513
; OTHER INFORMATION: 99-26167-278 probe
US-09-539-333D-167
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Query Match          0.8%; Score 27; DB 4; Length 3001;
Best Local Similarity 100.0%; Pred. No. 0.0061;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2085 CTCGTGTGTGTGTGTGTGTGTGTGTGTG 2111
        |||||||||||||||||||||||||
Db      2424 CTCGTGTGTGTGTGTGTGTGTGTGTGTG 2450
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Search completed: September 29, 2003, 14:55:41
Job time : 221.636 secs

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